

Students Protest Institute's Handling of Hacking, Housing, and Student Involvement

By Robert McQueen
STAFF REPORTER

About 70 students protested for more student representation in Institute decisions during a "tool-in" on Friday, October 17, the first day of Family Weekend, in Lobby 7.

The group organizing the protest called itself the Campaign for Students, also the name of the current initiative to raise funds for undergraduate and graduate education and student life.

Early in the protest, MIT Facilities examined a structure of enlarged dominos falling on to the MIT logo that the group had set up in the lobby due to concerns about the its safety. After this inspection, the protest continued without further disruption.

Tool-in participants approached by this reporter declined to comment on their involvement in the protest.

Dean for Student Life Chris Colombo visited the protest and said that he had a "very friendly" conversation with protestors. "What [the protestors] really communicated to me is that students don't really have input into a decision-making process ... maybe we need to look into that," he said.

Colombo said, "The next step will be to sit down with [the protestors], and I've asked [Undergraduate Association President] Noah Jessop ['09] to join in."



ERIC D. SCHMIEDL—THE TECH

Last Friday, students gathered their books and sleeping bags to stage a "tool-in" in Lobby 7. Calling themselves the "Campaign for Students," they protested an administration that they claim has excluded students from the decision-making process.

Jessop said, "We encourage students to express their opinions in constructive manners. We are presently working closely with administration with some of the issues brought up on Friday and working with both the students involved and

the administration to address these concerns."

The group organizing the protest runs a website (<http://www.campaignforstudents.com>) on which they detail their goals and grievances. "Decisions that affect student life

are increasingly being made without regard for student input," according to the site. The group also references recent changes in dining programs, arrests and disciplinary responses to

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Sexual Health Educator Will Now Focus on Helping Victims of Sexual Assault

By Zeina Siam

Divya B. Kumar, MIT Medical's former sexual health educator, will now work exclusively on sexual violence issues in the newly-created position of violence prevention and response advocate.

Kate McCarthy has been hired as an assistant health educator and will take on Kumar's former job of providing MIT students with advice about dating, contraceptives, and sexually transmitted diseases.

Kumar's primary responsibility will be to aid sexual assault victims in their recoveries: "I will work with survivors to connect them with what-

ever non-emergency services they seek; that is, changing their housing, filing a police report, navigating the disciplinary process at MIT, changing their class schedule, and obtaining counseling services," she said.

"Although many services for survivors exist at MIT, navigating through the myriad offices can be challenging, especially for someone who has recently experienced trauma," she said.

The new position was created after MIT received a \$200,000 grant from the Department of Justice in

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Graduate Student Faces Charges for Assaulting an Officer, Resisting Arrest

By Elijah Jordan Turner
STAFF REPORTER

A graduate student is scheduled to appear in court on Nov. 4, 2008, facing four charges stemming from an incident that occurred at the List Visual Arts Center last October.

Leonardo A. Bonanni G is charged with assault and battery on a police officer, resisting arrest, disorderly conduct, and drug possession.

Police reports indicate that Bo-

nanni was attending a film opening at the List Center in the Media Lab on Oct. 20, 2007, when he was approached by Officer Joseph West of the MIT Police. West said that he originally approached Bonanni due to what West described as Bonanni talking loudly on his cell phone.

A copy of the police records can be found on *The Tech's* website at: <http://tech.mit.edu/V128/N49/arrest/> As he got closer, West noticed

what he believed to be a marijuana joint perched atop Bonanni's left ear. West alleges that Bonanni pushed him away after he requested to examine the item, at which point he proceeded to make multiple attempts at an arrest. The police report states that the two participants, in the midst of a struggle, "bounced off a statue in the lobby, the glass entrance way area,

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W1 Dorm Project Delayed As Funds Dry Up

By Ramya Sankar
STAFF REPORTER

The renovation of W1 into a new undergraduate dormitory has become a casualty of the recent economic downturn, as administrators have postponed construction by at least a year. Meanwhile, the future is uncertain for the group of undergraduates currently in Ashdown House who were slated to move into W1 in 2010.

W1 was set to be inhabited by about 400 undergraduates in fall 2010, with many decisions about the dormitory's organization to be made in advance by the Phoenix Group, approximately 50 undergraduates currently living in Ashdown House (NW35). But to stay on schedule, contracts would need to be signed by this week, MIT told members of the Ashdown House Executive Committee last night, according to Ben Kaduk G, a member of that committee.

Citing recent economic difficulties, MIT decided to postpone renovations. The \$90 million that would have been spent to renovate W1 will instead support "financial aid and other essentials to keep the academic mission moving forward at MIT," said Dean for Student Life Chris Colombo. Funding for the project had been expected to come from mostly fundraising and general Institute funds.

It was expected that the extra students in W1 would increase the undergraduate class size. But MIT's decision has put these plans on hold: "nothing will go forward on class size until W1 is completed," Colombo said.

The decision to delay construction was made on Friday by Chancellor Philip L. Clay PhD '75, President Susan J. Hockfield, Treasurer Theresa M. Stone SM '76, and other senior administrators. At a faculty meeting

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ERIC D. SCHMIEDL—THE TECH

Parents Niranjan Kumar and Nita Kumar read in Lobby 7 on Oct. 17, the first day of Family Weekend at MIT. Family Weekend lasted 3 days and welcomed family members of current students with several fun events including the Nobel Laureate luncheon, an a cappella concert, and several informational panels.



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Shake That iPod!

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In Short

¶ A Walk-In Flu Shot Clinic will be held today from 12–4 p.m. in the third floor Student Center Coffeehouse. Undergraduate and graduate students only. For information about other flu vaccine clinics this fall, see: <http://medweb.mit.edu/about/news/>.

WORLD & NATION

Ruling on Guns Elicits Rebuke From the Right

By Adam Liptak

THE NEW YORK TIMES

WASHINGTON

Four months after the Supreme Court ruled that the Second Amendment protects an individual right to possess guns, its decision is under assault — from the right.

Two prominent federal appeals court judges say that Justice Antonin Scalia’s majority opinion in the case, District of Columbia v. Heller, is illegitimate, activist, poorly reasoned and fueled by politics rather than principle. The 5-4 decision in Heller struck down parts of a District of Columbia gun control law.

The judges used what in conservative legal circles are the ultimate fighting words: They said the gun ruling was a right-wing version of Roe v. Wade, the 1973 decision that identified a constitutional right to abortion. Scalia has said that Roe had no basis in the Constitution and amounted to a judicial imposition of a value judgment that should have been left to state legislatures.

Comparisons of the two decisions, then, seemed calculated to sting. “The Roe and Heller courts are guilty of the same sins,” one of the two appeals court judges, J. Harvie Wilkinson III, wrote in an article to be published in the spring in The Virginia Law Review.

The Botnets Attack

By John Markoff

THE NEW YORK TIMES

REDMOND, WASH.

In a windowless room on Microsoft’s campus here, T.J. Campana, a cybercrime investigator, connects an unprotected computer running an early version of Windows XP to the Internet. In less than a minute the computer is “owned.”

An automated program lurking on the Internet has remotely taken over the PC and turned it into a “zombie.” That computer and other zombie machines are then assembled into systems called “botnets” — home and business PCs hooked together into a vast chain of cyber-robots that do the bidding of automated programs to send the majority of e-mail spam, to illegally seek financial information and to install malicious software on still more PCs.

Botnets remain an Internet scourge. Active zombie networks created by a growing criminal underground peaked last month at more than half a million computers, according to shadowserver.org, an organization that tracks botnets. Even though security experts have diminished the botnets to about 300,000 computers, that is still twice the number detected a year ago.

Many Large Donations in Campaign

By Michael Luo and Griff Palmer

THE NEW YORK TIMES

Much of the attention on the record amounts of money coursing through the presidential race this year, including in Sen. Barack Obama’s announcement on Sunday of his \$150 million fundraising haul in September, has focused on the explosion of small donors.

But there has been another proliferation on the national fundraising landscape that had not been fully apparent until the latest campaign finance reports were filed last week: people who have given tens of thousands of dollars at a time to the candidates.

Enabled by the fine print in campaign finance laws, they have written giant checks, which far exceed normal individual contribution limits to candidates, to joint fundraising committees that benefit the candidates as well as their respective parties.

Many of these large donors come from industries with interests in Washington. A New York Times analysis of donors who wrote checks of \$25,000 or more to the candidates’ main joint fundraising committees found, for example, the biggest portion of money for both candidates came from the securities and investments industry, including executives at various firms embroiled in the recent financial crisis.

Federal Reserve Chairman Endorses New Stimulus

By Edmund L. Andrews

THE NEW YORK TIMES

WASHINGTON

The chairman of the Federal Reserve, Ben S. Bernanke, said on Monday that he supported a second round of additional spending measures to help stimulate the economy.

“With the economy likely to be weak for several quarters, and with some risk of a protracted slowdown, consideration of a fiscal package by the Congress at this juncture is appropriate,” Bernanke told the House Budget Committee.

His remarks were his first endorsement of another round of energizing stimulus, which Democrats on Capitol Hill have advocated and Republicans have resisted.

The White House, which flatly opposed a second stimulus package championed by House Democrats last month, said on Monday that President Bush was open to proposals. But aides to Bush still expressed skepticism about Democratic ideas that had surfaced so far.

“We’re open to ideas and we’ll take a look at what comes our way,” Dana Perino, Bush’s press secretary, said aboard Air Force One as the

president was flying to a business gathering in Alexandria, La. “What we’ve seen put forward so far, by the leaders in Congress, the Democrats, were elements of a package that we did not think would actually stimulate the economy.”

Still, Bernanke’s testimony strengthened the hand of Democrats, who are pushing for a package of spending that could total \$150 billion to \$300 billion. The testimony could put pressure on Bush to either enter discussions or risk losing the initiative and appearing behind the curve.

Democratic leaders would like to pass a spending bill in a lame-duck session of Congress immediately after the elections on Nov. 4. But that would depend on whether Bush was willing to agree on a deal. If Democrats cannot prevent Bush from vetoing a bill, they will most likely wait until the next president takes office in January.

To draw in the White House as well as Republican lawmakers, Democrats are casting around for measures that Bush has wanted. One possible inducement could be passing a long-stalled free-trade agreement with Colombia. Republicans are also pushing for additional tax cuts, and

there might be ground for agreement on that front.

An earlier stimulus package, in which the government mailed out almost \$100 billion in tax rebates during the spring and summer, provided a temporary lift to incomes and consumer spending. But the lift faded by late summer. Since then, the economic downturn has, if anything, accelerated.

“Chairman Bernanke made it clear that a new economic recovery package is critical to boost our weakening economy,” said Rep. Nancy Pelosi, the House Speaker. “I call on President Bush and congressional Republicans to once again heed Chairman Bernanke’s advice.”

Republican House lawmakers warned that they were likely to fight a new stimulus bill if it relied on spending.

“We should not be under any illusion that this stimulus package will address the core problems,” said Rep. Paul Ryan of Wisconsin, the senior Republican on the House Budget Committee. “If Congress is going to take action, it should be through fast-acting tax policy that boosts incentives to invest and create jobs.”

Hate Groups Stay Mostly Quiet During Election

By Jim Rutenberg

THE NEW YORK TIMES

WASHINGTON

A tall, extra-hot mocha in his hip, Bill White sat near the window of a Starbucks in Roanoke, Va., last month and discussed his political predicament as the leader of one of the nation’s more established neo-Nazi groups.

“Right now,” said White, the head of the American National Socialist Workers Party, “we’re facing the potential of a half-black candidate financed by Jewish money going up against a white candidate financed by Jewish money, who are both advocating the same policy. So you’ve got two terrible choices.”

On Friday, about three weeks after that interview, White was jailed on suspicion of making threats against a juror who was on a panel in 2004 that

convicted a white supremacist of plotting to kill a federal judge.

So stands the state of organized racism in 2008, paralyzed and at a crossroads in what would presumably be a pressing moment of action — the possibility that Sen. Barack Obama will become the first black president — but has so far not been.

There have been sporadic reports throughout the country of Obama signs vandalized with swastikas, windows smashed at local Obama campaign offices and racist pamphlets dropped on doorsteps. Overt and thinly veiled racist comments about Obama have been caught on camera at rallies, and a Republican women’s group in California — the Chaffey Community Republican Women, Federated — has made headlines for a flier that showed Obama’s face on a faux food stamp that also included images of watermelon and fried

chicken.

But party officials and organizations that monitor hate groups, always concerned about the specter of violence, report far less activity from the more traditional sources of open racism late in the race than they had expected.

“What we really haven’t seen is white supremacists really rallying over an Obama presidency,” said Mark Potok, the director of intelligence at the Southern Poverty Law Center, which tracks hate groups. “Hate groups are in a more or less stunned position right now; they haven’t been able to figure out how to proceed just yet.”

Some attributed the relative lack of activity so far from white supremacist groups and other sources of racial attacks to the same cultural shifts that led the Democrats to become the first major party to choose a black presidential nominee.

WEATHER

Autumn Weather to Continue

By Garrett P. Marino

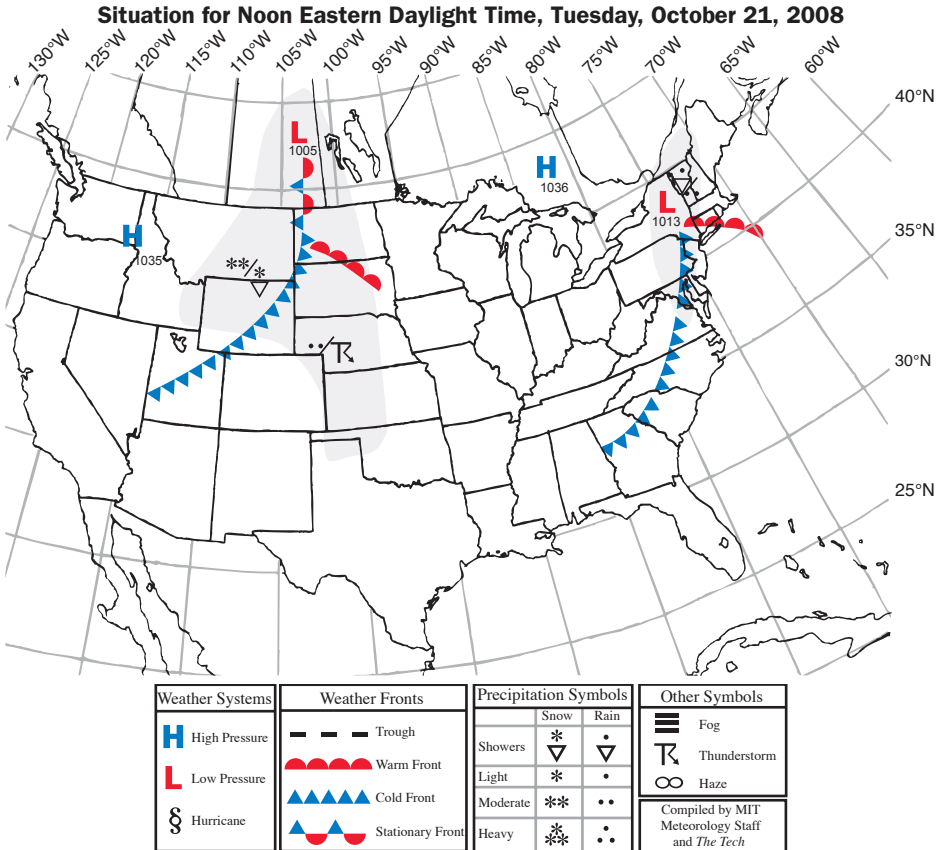
STAFF METEOROLOGIST

Suddenly, summer warmth feels like a distant memory. Yesterday morning, Logan Airport recorded its first sub-40°F (4°C) temperature since April 16. The recent cold nights are not a great anomaly: average daily minimum temperatures are currently 45°F (7°C), and quickly fall by about 8°F (4°C) for each of the next 3 months.

Maximum temperatures follow a similar trend, falling from an average 60°F (16°C) to 35°F (2°C) by mid-January. If you haven’t yet bought your winter clothes, now is the time to do so!

The weather for the remainder of the week will demand at least some minimal winter gear, with no return to summer conditions in sight. A low-pressure system will approach the Boston area tonight, and bring a wind-swept cool rain for the early morning hours tomorrow. After the passage of this system, skies will clear and result in a pleasant but cool Thursday and Friday.

Today: Mostly cloudy. Highs in the upper 50s°F (15°C).
Tonight: Cloudy with showers late. Lows in the mid 40s°F (7°C).
Wednesday: Morning showers. Breezy and cool with steady temps near 45°F (7°C).
Wednesday night: Clearing skies. Lows near 35°F (2°C).
Thursday: Mostly sunny with highs near 50°F (10°C).



Frozen Credit Markets Begin To Thaw Around World

By Michael M. Grynbaum
THE NEW YORK TIMES

After weeks of extraordinary efforts by the world’s governments and central banks, the frozen flow of credit began to thaw on Monday.

The tentative re-emergence of trust among lenders — a rare commodity of late — raised hopes that the immediate financial pressures on banks, businesses and municipalities could ease somewhat, cushioning the blow of a likely recession.

That encouraging signs appeared at all was enough to bring a wave of relief to Wall Street, where the Dow Jones industrial average rose 413 points, or 4.7 percent. As recently as last Friday, it was far from certain how quickly the unprecedented moves to unlock global credit, including the partial nationalization of some of the world’s biggest banks, would make a difference.

“Fear really appears to have receded considerably,” said John V. Miller, the chief investment officer of Nuveen Asset Management.

A benchmark borrowing rate among banks, known as Libor, dropped on Monday by the largest

amount in nine months, an indication of growing confidence in the financial system. Local and state governments found buyers for bonds that had gathered dust for weeks. Banks and money market funds opened their coffers to corporate borrowers, reducing rates on short-term loans.

The improvements in the credit markets came as welcome news to American businesses large and small, which depend on short-term financing for their daily operations. Economists warned, however, that American consumers might face a more difficult road.

On Capitol Hill, the chairman of the Federal Reserve, Ben S. Bernanke, told lawmakers that the “risk of a protracted slowdown” merited the introduction of new measures to help individual Americans gain access to credit. Bernanke did not specify the size or scope of any plan.

The Bush administration is under pressure to do more to help the economy, and Democrats in Congress plan to devise a second stimulus measure. The Treasury Depart-

ment, meanwhile, hopes to spur a new round of mergers among banks by steering some of the money in its \$250 billion rescue package to banks that are willing to buy weaker rivals, according to government officials.

While these efforts may provide some relief, the concern is that it may take time before they have a major impact on the economy. Loans are likely to remain scarce for many small businesses and consumers.

Credit is unlikely to flow freely soon, said Max Bublitz, chief strategist at SCM Advisors, an investment firm in San Francisco. “It’s going to be doled out in small pieces over the next few months,” he said.

Since the collapse of Lehman Brothers in mid-September, the credit markets entered a state of near paralysis, keeping many businesses and municipalities from obtaining financing.

For now, market watchers can celebrate that credit is being given out. Interest rates on common types of commercial paper — effectively short-term IOUs issued by businesses — fell to a four-month low.

Mugabe Blocks Zimbabwe Opposition Leader From Talks

By Celia W. Dugger
THE NEW YORK TIMES

JOHANNESBURG, SOUTH AFRICA

Zimbabwe’s main opposition leader, Morgan Tsvangirai, missed talks in Swaziland on the crisis in his country on Monday, after his rival and negotiating partner, President Robert Mugabe, refused to give him a passport.

The talks were rescheduled for next week, but the government of neighboring Botswana condemned Zimbabwe’s failure to issue the passport as “totally unacceptable and an indication of bad faith.”

Botswana’s president, Seretse Khama Ian Khama, who has refused to recognize Mugabe’s legitimacy since a discredited, violence-scarred June presidential runoff, also called on other African nations and the United Nations to insist on a new, internationally supervised election in Zimbabwe if the deadlock in power-sharing talks continued.

Botswana’s stance will put other countries in southern Africa on the spot. All of them sent election observers to Zimbabwe for the presidential runoff — and they unanimously

agreed the election had not been free or fair. So far, they have opted to pressure Mugabe, who has been in power for 28 years, and Tsvangirai, his longtime rival, to negotiate a pact to jointly govern the country.

Botswana, in a news release issued by its Foreign Ministry on Monday, blamed Mugabe’s party, ZANU-PF, for the deadlock in achieving a unity government, saying the party was “seeking to dominate power.”

Heads of state from across the region, including Ian Khama, who was wildly cheered by opposition members in the audience, watched Mugabe and Tsvangirai sign a power-sharing deal more than a month ago.

But the two men have never gotten past the first choices needed to form a government: how to share the government ministries between their parties. Mugabe has unilaterally claimed almost all the most powerful ministries, a move that Tsvangirai rejected as a power grab.

Opposition officials are clearly hoping that Mugabe’s refusal to give a passport to Tsvangirai, who is designated to serve as Zimbabwe’s new prime minister under the deal, will

make it difficult for African leaders to deny that Mugabe is clinging to power.

The opposition leader’s absence from the Swaziland meeting on Monday has raised further questions about whether Mugabe and Tsvangirai and the opposition party, the Movement for Democratic Change, will be able to govern in a coalition.

Before the talks in Swaziland were postponed, Tendai Biti, the opposition party’s secretary general, said that given the government’s actions, Tsvangirai would not participate even if Mugabe could be persuaded to give Tsvangirai his passport. Instead of direct talks between the two sides, the opposition is calling for an emergency meeting of all 14 nations that make up the regional group, the Southern African Development Community.

“Somebody has to knock sense into the head of Mr. Mugabe,” Biti said.

But the regional organization, which has been trying to shepherd the talks, said it would try for another round next Monday, according to Reuters.

Bush Decides to Keep Guantanamo Bay Facility Open

By Steven Lee Myers
THE NEW YORK TIMES

WASHINGTON

Despite his stated desire to close the American prison at Guantanamo Bay, Cuba, President Bush has decided not to do so, and never considered proposals drafted in the State Department and the Pentagon that outlined options for transferring the detainees elsewhere, according to senior administration officials.

Bush’s top advisers held a series of meetings at the White House this summer after a Supreme Court ruling in June cast doubt on the future of the American detention center. But Bush adopted the view of his most hawkish advisers that closing Guantanamo would involve too many legal and political risks to be acceptable, now or any time soon, the officials said.

The administration is proceeding on the assumption that Guantanamo will remain open not only for the rest of Bush’s presidency but also well beyond, the officials said, as the site for military tribunals of those facing terrorism-related charges and for the long prison sentences that could fol-

low convictions.

The effect of Bush’s stance is to leave in place a prison that has become a reviled symbol of the administration’s fight against terrorism, and to leave another contentious foreign policy decision for the next president.

Both presidential candidates, Sens. John McCain and Barack Obama, have called for closing Guantanamo and could reverse Bush’s policy, though probably not quickly, since neither has spelled out precisely how to deal with some of the thorniest legal consequences of shutting the prison.

Bush’s aides insist that the president’s desire is still to close Guantanamo when conditions permit, and the White House has not announced any decision. But administration officials say that even Secretary of Defense Robert M. Gates and Secretary of State Condoleezza Rice, the most powerful advocates for closing the prison, have quietly acquiesced to the arguments of more hawkish advisers, including Vice President Dick Cheney.

A senior administration official

who spoke on condition of anonymity to discuss the administration’s internal deliberations said it would be much harder to fulfill a campaign promise to close the prison than either candidate has stated. “This may not be the ideal answer, but what we are trying to do is work with the system we’ve got,” the official said.

Bush’s decision followed a review of the implications of the Supreme Court’s ruling in June that the 250 detainees at Guantanamo have the right to make habeas corpus appeals.

The ruling, *Boumediene v. Bush*, undercut a core rationale for keeping the prison off American soil, raising expectations that Bush might at last move to close it, a prospect he first raised in June 2006, when he said, “I’d like to close Guantanamo, but I also recognize that we’re holding some people that are darn dangerous, and that we better have a plan to deal with them in our courts.”

In August 2007, Bush said “it should be a goal of the nation to shut down Guantanamo,” adding, “but it is not as easy a subject as some may think on the surface.”

Three Oil Countries Face a Reckoning

By Simon Romero, Michael Slackman, and Clifford J. Levy
THE NEW YORK TIMES

CARACAS, VENEZUELA

As the price of oil roared to ever higher levels in recent years, the leaders of Venezuela, Iran and Russia muscled their way onto the world stage, using checkbook diplomacy and, on occasion, intimidation.

Now, plummeting oil prices are raising questions about whether the countries can sustain their spending — and their bids to challenge U.S. hegemony.

For all three nations, oil money was a means to an ideological end. President Hugo Chavez of Venezuela used it to jump-start a socialist-inspired revolution in his country and to back a cadre of like-minded leaders in Latin America who were intent on eroding once-dominant American influence.

Iran extended its influence across the Middle East, promoted itself as the leader of the Islamic world and used its petrodollars to help defy the West’s efforts to block its nuclear program.

Russia, which suffered a humiliating economic collapse in the 1990s after the fall of communism, recaptured some of its former standing in the world. It began rebuilding its military, wrested control of oil and gas pipelines and pushed back against Western encroachment in the former Soviet empire.

But such ambitions are harder to finance when oil is at \$74.25 a barrel, its closing price Monday in New York, than when it is at \$147, its price as recently as three months ago.

That is not to say that any of the countries is facing immediate economic disaster or will abandon long-held political goals. And the price of oil, still double what was considered high just a few years ago, could always shoot back up.

Financial Straits of Boosters Hit College Athletics

By Joe Drape and Thayer Evans
THE NEW YORK TIMES

Nearly three years ago, the billionaire oilman T. Boone Pickens donated \$165 million to Oklahoma State’s athletic department so it could remake its facilities into a Shangri-La for Cowboys sports, with an indoor practice center and new facilities for baseball, equestrian, soccer, tennis, and track and field. Pickens even allowed Oklahoma State to take out a \$10 million insurance policy on his life.

Those funds, along with \$37 million from other donors, were invested in BP Capital Management, a hedge fund controlled by Pickens. At the time, it looked like a windfall that would keep on giving. Pickens recently acknowledged that his investments had lost \$1 billion this year amid the financial crisis.

Construction of Oklahoma State’s athletic village has been held up, and the athletic director, Mike Holder, said the project would have to wait until Pickens’ financial situation improved. Holder and a spokesman for BP Capital declined to disclose the current value of the university’s investment in Pickens’ hedge fund.

Oklahoma State is hardly alone in watching its soaring ambitions crash back to earth with the fortunes of some of its biggest benefactors.

Botswana’s Ex-President Wins Leadership Prize

By Celia W. Dugger
THE NEW YORK TIMES

JOHANNESBURG, SOUTH AFRICA

A foundation dedicated to celebrating and encouraging good government in Africa awarded its annual prize on Monday to Botswana’s former president, Festus G. Mogae. He was honored for consolidating his nation’s democracy, ensuring that its diamond wealth enriched its people, and providing bold leadership during the AIDS pandemic.

Mogae, 69, a man with a modest style, will receive \$5 million over the next 10 years and \$200,000 per year thereafter for the rest of his life. Over the coming decade, the foundation may also grant another \$200,000 a year to causes of Mogae’s choice.

The award, the Mo Ibrahim Prize for Achievement in African Leadership, is bestowed by the Mo Ibrahim Foundation, named after its founder, the Sudanese billionaire. Mogae was selected by a six-member panel led by Kofi Annan, the former secretary general of the United Nations. The panel also included this year’s winner of the Nobel Peace Prize, Martti Ahtisaari.

Hispanics Developing Alzheimer’s At Younger Ages

By Pam Belluck
THE NEW YORK TIMES

PHILADELPHIA

Antonio Vasquez was just 60 when Alzheimer’s disease derailed him.

He lost his job at a Queens, N.Y., bakery because he kept burning chocolate chip cookies, forgetting he had put them in the oven. Then he got lost going to job interviews, walking his neighborhood in circles.

Teresa Mojica of Philadelphia was 59 when she got Alzheimer’s, making her so argumentative and delusional that she sometimes hits her husband. And Ida J. Lawrence was 57 when she started misplacing things and making mistakes in her Boston dental school job.

Besides being young Alzheimer’s patients — most Americans who develop it are at least 65, and it becomes more common among people in their 70s or 80s — the three are Hispanic, a group that Alzheimer’s doctors are increasingly concerned about, and not just because it is the country’s largest, fastest-growing minority.

Studies suggest that many Hispanics may have more risk factors for developing dementia than other groups, and a significant number appear to be getting Alzheimer’s earlier. And surveys indicate that Latinos, less likely to see doctors because of financial and language barriers, more often mistake dementia symptoms for normal aging, delaying diagnosis.

“This is the tip of the iceberg of a huge public health challenge,” said Yanira L. Cruz, president of the National Hispanic Council on Aging. “We really need to do more research in this population to really understand why is it that we’re developing these conditions much earlier.”

OPINION

The Challenge of International Development

Will You Be a Part of It?

Spencer Skates

Ending poverty is the challenge of our generation. Our country is no stranger to challenge. During World War II, the world made a choice to oppose fascism and bring democracy to all corners of the earth. During the Civil Rights movement, everyday citizens decided to stand up for what was just and right and brought about one of the most profound changes in American society.

At the beginning of the 1900's, ordinary men and women stood up for the right of women to vote and pressured the government to pass the Nineteenth Amendment, giving the right to vote to all women in America. These challenges were met by ordinary people like you and me realizing their potential to create extraordinary change.

Let me tell you a little bit about this challenge. In 1950, over half of the world lived in extreme poverty — defined as living on less than \$1.25 per day in 2008 dollars. Now, one in five people live in extreme poverty, with over one billion of them going hungry every day. These are people who don't know if they will have enough to eat next week. These are people who often have to make the choice between feeding their families and feeding themselves.

We can make the choice to change their lives. This is not an impossible challenge. There is enough food already to go around. In developing countries alone, there are over 2,700 calories of food available per person per day, more than enough to permanently eliminate hunger.

What stands in the way of putting an end to world hunger? The list is long: trade distortions between developing and developed nations,

lack of a social safety net in developing nations which makes them vulnerable to small changes in price in the world market, not enough emergency assistance provided during natural disasters, lack of infrastructure and technology, corruption in government programs, and so on ...

What can be done? Promoting school feeding programs that tackle the problem of hunger and education simultaneously, investing

Ending poverty will be the greatest challenge of our generation. It won't happen automatically. It won't happen without our help.

in transformational programs that bring farmers out of sustenance agriculture, researching new yield-enhancing agricultural technologies, bringing the least developed countries into the global economy on an equal footing, the list goes on and on — there are many possibilities for our time!

Take, for example, creating yield-enhancing agricultural technologies. In the 1960's, India was on the verge of experiencing a disastrous mass famine. In comes Norman Borlaug, an American agronomist who spent the previous 15 years in Mexico developing a high-yield disease-resistant wheat crop that promised an end to famine in India.

Initially resistant to the idea of using Borlaug's newly developed wheat strain because of cultural opposition to the new technology, the Indian government realized the potential for massive famine and gave the go-ahead for

the project.

Most experts predicted global famines in which billions would die due to the population explosion of the preceding decades and didn't believe it was possible for anyone to bring an end to famine. In spite of the dire predictions, wheat yields in the Indian subcontinent doubled by 1970.

India went from being an importer of cereals to an exporter, all by harnessing an agronomists' high-yield disease-resistant crop. The predicted famine was averted, and billions were able to lift themselves out of extreme poverty.

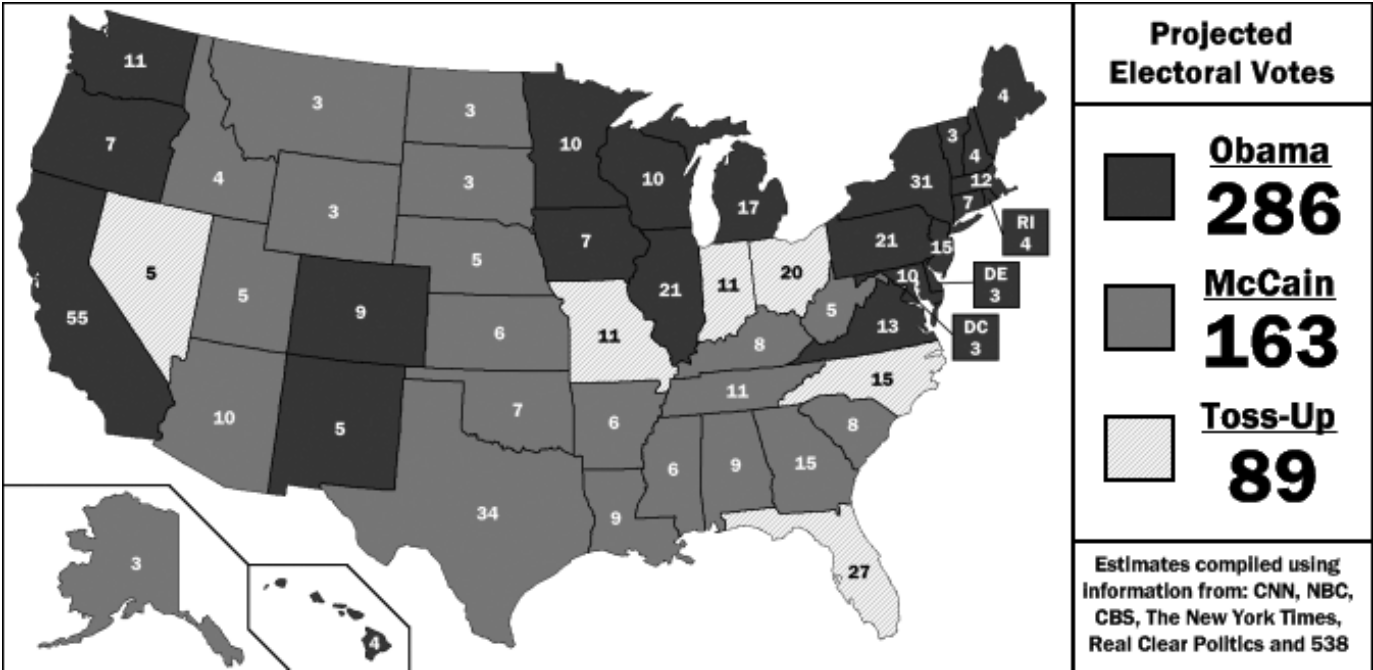
There are still one billion people out there who have difficulty feeding themselves every day. The end of poverty is in sight, but we are not there yet. After making gains in life expectancy in Africa from 38 years at birth in 1950 to 48 in the late 1980's, the AIDS epidemic alone has reversed the progress that has been made and resulted in a decline in life expectancy in Africa for the past 20 years.

The potential to develop a vaccine that ends this epidemic is in our hands. The percentage of people living in extreme poverty in Africa has remained at about 40 percent for the past few decades. We have the ability to design high-yield crops and lift sustenance farmers out of extreme poverty across the continent. Our hands hold the power to make a difference.

Ending poverty will be the greatest challenge of our generation. It won't happen automatically. It won't happen without our help. We can be the ones that make the difference. We are the revolutionaries of our time. Do not let this opportunity pass us by.

This is OUR problem, this is OUR challenge, this is OUR time to be great. Will you be a part of it?

Spencer Skates '10 is a member of the MIT Global Poverty Global Initiative.



What do you think about the election?

The Tech wants to know what you think about the upcoming election on November 4! Send your thoughts, comments, and endorsements to letters@tech.mit.edu, and we'll print the best of your letters and columns. Will Barack win in a landslide? Is McCain a maverick? Is it time for a Ron Paul revolution? Let us know!

Days until the election: 14

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Injustice, Poverty, and a Sustainability Ethos

How Can We Live in Balance With Our Planet?

Holly Moeller

While problem sets and exams pile up mid-semester, most of us are shuttling between class and computer, losing sight of the bigger picture while trying to put out academic fires in our own lives. This week, however, MIT's Global Poverty Initiative invites us to take a step back and remember those less fortunate than ourselves. Literally billions of people eke out a living on a few dollars a day, making quality of life a global issue of growing importance. As a human rights concern, global poverty is deeply intertwined with environmental injustice. We live in a world where money talks — loudly. Those below the poverty line, or grouped within a constituency deemed politically unimportant, disproportionately bear the negative consequences of human activity.

Within our own country, examples are rampant — from nuclear waste disposed of on Indian reservation lands to neglected Superfund cleanups in lower-class neighborhoods. Because the parties committing the environmental damage largely overpower the unhappy recipients politically — typically because they are able to dedicate more time and money to lobbying — the injustice persists for decades while watchdog groups and human rights advocates wear their hands in dismay.

Financial might seems to make right on the global scale, as well. The United States population (305 million on a planet of 6.7 billion) uses 25 percent of the global oil supply, releasing more than six billion tons of carbon dioxide into the atmosphere each year. Yet when the fruits of our labors to warm the Earth are borne out, in the form of sea level rise, for example, the United States may be able to buy its escape.

While building sea walls and buttressing coastlines is expensive, it's an option we can afford to consider. Not so for low-lying developing nations; loss of coastal area would prove catastrophic and unavoidable for impoverished countries already struggling to make ends meet under present conditions.

Though one might hope that ethical considerations would prevail at international levels, the globalized economic engine of the purported First World — and the fossil fuels on which it runs — carries the most weight. As a species, we have placed monetary gains above human dignity, encouraging pursuit of increased profits while paying a slim tax of lip service to human welfare.

The impoverished, therefore, suffer twice;

first in an immediate reduction of quality of life, and second in diminution of future prospects.

Behind the parallel issues of poverty and environmental justice lies an ultimate need for sustainability and environmental quality. But the fact is, people living in poverty are worried about their next meal and the health of their families. They don't have the "luxury" of caring for the environment, except in the most immediate sense.

Meanwhile, we ogle flashing displays and escape the cold by pacing the Infinite Corridor, alternately lamenting the low standard of living of the world's poor and insisting upon sustainability on a global scale.

There's the inherent contradiction: not everyone can share our standard of living.

Our rate of consumption is so high that it is absolutely impossible to extract enough material for the Earth to support nearly 7 billion people in such a manner. Put more explicitly, our excessive lifestyles are indirectly subsidized by the plight of the world's poor.

Thus, the first task on the checklist of achieving global sustainability is ours. We must be better role models by demonstrating that a "high standard of living" doesn't have to correlate with a high rate of consumption.

The same values of fairness and justice which fuel our aversion to global poverty can help us choose to reduce our personal demands on the Earth so that all humanity can thrive on our tiny blue planet.

There will be tough choices to be made, and everyone must hold themselves personally accountable for the future of the planet. However, though we may "lose" some fraction of the goods we take for granted, we will "gain" exponentially in the ambiguous yet fundamental ethical quality of our lives.

Then, we can return with wisdom as can be found in the Chinese proverb, "Give a man a fish and you feed him for a day. Teach a man to fish and you feed him for a lifetime." We can transition from giving the world's poor the goods and services they need to helping them — through public and private investment and the distribution of technology — to provide these things for themselves.

The ultimate lesson, however, which must be given through example alone, is in finding the sustainable harvest of fish — discovering the satisfying lifestyles that we can all lead while remaining in equilibrium with the Earth.

Holly Moeller is a graduate student in the Joint Program in Biological Oceanography. She welcomes feedback at hollyvm@mit.edu.

Pharma in Africa

We Need Fundamental Reform to Help Save the World

Jennifer Nelson

Africa desperately needs drugs to combat AIDS, pneumonia, influenza, meningitis, and other infectious diseases. Not only do they need drugs, they need cheap drugs.

This presents a problem. How do we send cheap drugs abroad — using American money — without weakening the incentives for pharmaceutical companies (and subsequently, the entire American biotechnology sector) to innovate?

I propose a solution: we must find a way to make these life-saving drugs cheaper without decreasing pharmaceutical revenues. If many of the major life-saving drugs, such as those that combat AIDS, Alzheimer's, and high blood pressure, were cheaper, America as a whole would benefit. Health care costs would drop, and fewer people would venture into Canada to pick up cheap versions of the same drug.

But most drugs produced by pharmaceuticals can be called 'life-saving drugs', so how do we differentiate between drugs to decrease the price of, and which not to? First, by increasing the price of contraceptives and male "performance" enhancers, we can already make up much of the revenue difference. Think of this as a luxury tax.

Very few people absolutely need contraceptives to live, and perhaps those who do can negotiate help from charitable organizations. Young people are much better at fending for ourselves than the elderly and infirm are, and we have the strength to work to make up the cost difference.

Even if increasing the price of these and similar drugs does not make up for the difference in pharmaceuticals' revenue, think of the markets that would open up once the prices of life-saving drugs were drastically decreased. If a company makes 10 percent profit on every life-saving drug that they sell, and now they make 5 percent and they sell three times the amount that they previously did ... well, you do the math.

Not to mention that pharmaceuticals will find themselves with new markets abroad for other drugs, such as Viagra. So if the price of Viagra increases, and the market for Viagra doubles ... well, let's just say I don't think the drug companies would mind this much at all. Actually, I'm surprised they haven't thought of this themselves.

However, perhaps cutting the drugs from a 10 percent profit to a 5 percent profit won't

help Africa or Asia at all. This is where NGOs such as the Red Cross come in. If the above drug price cuts were already negotiated, and then mandated by the federal government during the drug approval process, the Red Cross would be free to subsidize the already lower-priced drugs, and ship them to where they are needed.

Unfortunately, the Red Cross probably has nowhere near enough money to absorb the costs of drugs by themselves.

If the Red Cross were to combine with major NGOs across the nation, which are all focused on different aspects of the same goal — help poor and unhealthy people — however, that powerhouse of an organization would most certainly be better equipped to handle the problem. Not to mention that various churches, such as the Catholics and the Mormons, which have plenty of money, would likely be eager to join the campaign.

I believe the nation as a whole would benefit from the reorganization of NGOs. Imagine if you no longer had to compare those silly pie graphs to decide which organization to donate to. Imagine if one large organization was efficiently divided into multiple sectors, and each specialized in a different area. Experts would long to work for the NGO that seems to do the impossible — effectively address the economic, health, and political problems of the developing world.

Also, separate NGOs would no longer have to compete for the same funding with heavy advertising — which, by the way, eats up quite a chunk of their revenue. No longer would NGOs overlap and attempt to address the same problem with the same nation with twice the funding. Talk about an efficiency boost.

Reorganization is in order if we are actually going to accomplish this lofty goal of saving millions of Africans from what are frequently very painful deaths. We should not be afraid of teamwork, or of giving one organization quite a bit of power.

Large organizations such as Walmart have already demonstrated that the efficiency increases that I described are real. An NGO powerhouse isn't something to fear — it's something to be grateful for.

Without overhauling our current system, we cannot effectively help Africa. It takes a whole continent to save another. One NGO, one church, one branch of the government simply can't do it alone.

Jennifer Nelson '09 is a student in the Department of Biology.

While building sea walls and buttressing coastlines is expensive, it's an option we can afford to consider.

Reorganization is in order if we are actually going to accomplish this lofty goal of saving millions of Africans from what are frequently very painful deaths.

Oprah's Educational Adventure

Analyzing the Media Mogul's Effort to Further Girls' Education in South Africa

Stella Viktoria Schieffer

"Promote gender equality and empower women" reads the third Millennium Development Goal, put forth by the United Nations Development Programme, to be achieved by 2015. This is an ambitious plan: more than 115 million children worldwide do not attend primary school, of which the majority are girls. Only 43 percent of all girls are enrolled in secondary school and attend classes regularly.

This is especially disconcerting news as an increased focus on girls' education has proved to have statistically higher social returns than boys' schooling. A higher level of education for girls indirectly influences a country's level of health and its growth rate, contributing to disease prevention awareness and more successful family planning.

It is also helps growing economies by creating more skilled labor and increases the potential for raising and educating a new generation of even more skilled children.

One example of an educational assistance project working on this issue in a developing country is the Leadership Academy for Girls in South Africa founded by U.S. media queen Oprah Winfrey. South Africa still carries the historical burden of racial discrimination from the period of Apartheid and its traditionally patriarchal society.

Although recent statistics and enforced quotas create the feeling of apparent gender equity in South African education, the country struggles to provide quality primary and secondary education to all children, in particular in rural areas.

The location of schools and available transport, the family's financial situation, as well as the high number of HIV cases and sexual abuse (with over 30 percent of all rapes inflicted by teachers) prevent gender equity from becoming a reality.

Herself raised in simple conditions and raped at the age of nine, Oprah Winfrey decided to invest not less than \$40 million into building her dream school.

High-profile private donations and initiatives are not rare today. Interestingly, private U.S. remittances of more than 70 billion USD per annum exceed the current 24 billion USD of foreign aid by almost 200 percent.

With an insufficient foreign aid budget of only about 0.2 percent of the US gross national income (GNI), the U.S. (like most Western nations) has continuously failed to provide the UN target of 0.7 percent towards the achievement of the MDGs and other international development projects.

Oprah Winfrey's Leadership Academy aims at providing excellent education to create the intellectual foundation and social skills for its students to pursue a university degree and assume leadership positions in South Africa and beyond.

The first class of 152 girls in grades seven and eight, admitted in 2007, was hand-picked by Oprah. The girls, who came from all nine South

African provinces, set themselves apart through academic excellence and leadership potential. Admission is restricted by a maximum family income of about 500 USD per month, favoring girls from impoverished or disadvantaged backgrounds.

With an acceptance rate of only about 4 percent (more competitive than Harvard or MIT), the school will eventually be home to 450 students from grade 7 to 12 — enjoying a student-teacher ratio of about 15:1 in contrast to the national average of about 31:1.

The campus was ornamented by 500 artists and built with great love of detail. It provides cutting-edge science and computer technology, a 10,000 book library, a theatre, sports facilities, a wellness center and accommodations on 52 acres.

The school has received international attention and praise from celebrities such as Nelson Mandela, as well as intense criticism. Although I agree that the intentions of the project are convincing, and the progress so far points to a brighter future inspiring and bringing hope to South Africans, we have to remain skeptical about the success of the highly materialist and westernized dimension of Oprah's extravagance.

Oprah's decision to provide more comfortable facilities than tin roof boxes is understandable, but is such an enormous investment in so few students justified and necessary in a country

South Africa still carries the historical burden of racial discrimination from the period of Apartheid and its traditionally patriarchal society.

ranked #121 on the UNDP's development index?

Does Oprah fully realize the dimensions and implications of the culturally-different terrain she has entered, or is she blinded by the emotionally-directed ideals of her altruistic creation?

How will children — some of them orphans coming from simple, rural communities — react and relate to splendor which is even regarded to be luxurious for US standards?

Instead of creating future leaders, Oprah runs the risk of alienating its students from its local communities, making reintegration into their original backgrounds impossible.

Local communities and parents already complain about the lack of transparency and limited opportunities to visit their children and the campus. As a media guru, how qualified is Oprah to create an elite educational system and maintain the credibility for the school's quality and status?

This showcase project outlines the difficulties and critical factors which govern the success of this and any other similar initiatives: design with conceptual integrity, applicability and relevance to the historical and social setting, budgeting, timing of the implementation and the challenge of sustainability.

In spite of its immense capital intensity and impact still to be awaited, the concept of private celebrity development work has already found imitators. Madonna, the 'Queen of Pop' herself, will start the construction of her own multi-million-dollar girls' school later this year.

Stella Viktoria Schieffer is a member of the Class of 2009.

CAMPUS LIFE

Brouhaha Rhythm

Blood Has Viscosity Greater Than One

By Michael Lin
STAFF COLUMNIST

Family Weekend — when hundreds of parents and family members converge to see how a detached arm and leg look when planted and watered for up to three and a half years. As far as my father’s visit to campus is concerned, my giddiness regarding my plans to show him as much on-campus awesomeness as I can find shows no sign of diminishing.

The event schedule for the weekend feels a lot like a more mainstream, mini-version of CPW, where all of the neat things we told our parents that we did over CPW are discredited and verbally depicted as having taken place in a perfectly safe and socially acceptable setting. Tee-hee. (To Mom and Dad: I’m totally kidding. Really.)

In spite of all the free food (in keeping with the “mini-CPW” comparison), I do feel like it would be only fair to take my father out at least once or twice to try and show him where the

best fooderies can be found near campus.

Of course, since I have no incoming cash flow, Dad is technically paying, but I’m sure that opportunities to sell my body to science should make themselves known soon enough.

The first point of order after my dad got here was to take him out for clam chowder, since having me constantly talk about it doesn’t really make sipping canned Campbell’s any easier for him.

So far, he’s taken the Pepsi challenge with no fewer than three different sources of New England clam chowder. (Props to Café Four, by the way, for bringing back their Friday clam chowder, which kept pace with professional seafood restaurant-quality soup at half the price. And no, I swear,

this isn’t a tasteless bid for free chowder. Really.)

In addition to how I keep my perpetually-underweight frame from withering away, there are any of a number of campus idiosyncrasies my Dad needs to see.

If you’ve done any of a number of things in recent memory, such as reading my column, visiting the MIT website, or stepping on campus and **looking around**, you know what I’m talking about.

Chances are high that I’ll have taken Dad to see an improv comedy show and/or an LSC movie, if only for the sake of gauging his reaction to my private hunt for cue dots. Worst-case scenario, he looks at me like I’m crazy and wonders who on earth I’ve been hanging out

with ... which would actually be about par for the course, now that I think about it.

He’s already heard the chirping intersections, seen the bubble machine, and been dragged to the Friday game lab. I’d take him to see the ballpit, but I don’t live at Simmons anymore, and even if I did, I feel that my using it only to show visitors how weird MIT is would be something of an illegitimate claim to idiosyncrasy. Sort of like only taking out the super-nice silverware for party guests and expecting them to assume that it represents your default level of sophistication.

Well, I hope everyone had a nice, easygoing weekend with minimal crises of frantic room-cleaning and enough time to finish all required assignments on top of spending quality time with one’s family.

Now, if you’ll excuse me, I have a very busy week ahead of me, and if I’m going to keep my procrastination-to-work ratio above my quota, I’ve got to hit the YouTube videos running.

Sort of like only taking out the super-nice silverware for party guests and expecting them to assume that it represents your default level of sophistication.

Ramblings from Hell

How Getting Hit by a Bus Inspired Me to Take On the Popos

By S. Campbell Proehl
STAFF COLUMNIST

Two weeks ago I got my first-ever traffic ticket. Actually, pardon me, it wasn’t a ticket. Thanks to my charm, the handsome Cambridge policeman with rather large shoulders let me off with a written warning.

I was riding my bike — a blue Ross with chrome fenders that has only one brake and the original handlebar bell (a real beauty, you know?) — on the sidewalk in front of Bexley sometime between 5:30 and 6:45 p.m.

I know there are bike lanes on Mass. Ave, but on that section of the street the buses and cars are in such a rush that they drive into the bike lanes with no mercy and I am often left with the choice of stopping short or allowing myself to be smushed between a bus and a parked car.

Not to mention, people seem to have no concept of checking to make sure there are no bikers before opening their doors (I know several people who have been doored over the past year).

So, duh, of course I’m not going to ride my bike there. I’ve done too much homework in the past three years to die now. Not to mention, my parents have paid \$200,000 to see Hockfield hand me a diploma, and they deserve to have that moment.

Anyway, I was coasting at maybe three miles per hour (my bike is pretty rusty and I’m out of shape and it takes everything in me to push those pedals) and this popo came over and got all up in my grill, and he was like “Ma’am, I’m going to have to ask you to step off the bike.” And I was thinking, Yo dog, am I doing something illegal? Last time I checked, riding a bike at three miles per hour is not a crime.

But of course I had to be proper and act like a victim, so I used my best unassuming young lady voice: “I’m sorry officer, did I do something wrong?”

“There’s no biking on the sidewalk over here.”

“But officer, the LMA buses and the No. 1 buses drive in the bike lane and there are

parked cars, and I often just narrowly escape being crushed by a fast-moving car, and I only ride on the sidewalk here because I fear for my life. I ride in the bike lane on the bridge. Honestly, I do. But here, it’s really just putting my life at stake.”

“Well, I’m sorry ma’am, but we’ve had complaints about the bikes being intimidating to pedestrians.”

You know that scene in Men in Black when Will Smith is auditioning to become the alien fighter and he has to pick which pop-up figures are scary and shoot at them? Would you ever pick the young woman on a little blue bike that has chrome fenders and a basket holding her books? Yeah, I didn’t think so.

But apparently, this cop picked me. Even though there were only about two people on the sidewalk and I was riding on the opposite side at three miles per hour. He filled out the ticket, taking the time to carefully spell my name and write “Ross” in the spot for the license plate number.

The next week, when I was biking to my 8:30 a.m. Advanced Organic Chemistry class, I thought about riding in the street because getting in a car accident would probably allow me to get out of my upcoming exam, but I eventually decided against it, because Tuesday is my grilled cheese night and being in the hospital would definitely preclude me from eating my one-a-week grilled cheese with french fries and a low quality pickle.

Just as I was passing Bexley, a cop stopped me and made me get off my bike. I explained to him the situation with the buses and he said that he would make a call and request that they respect the bike lane lines.

I didn’t get a ticket, but I was forced to walk my bike from Bexley to the bike rack. I would just like to point out that I have timed myself, and I walk at a rate of 4.5-5 mph (faster than I was going on my bike when I got the ticket, excuse me, written warning).

So for the next week, I rode in the bike lanes. I wasn’t happy about it, but I did it for the good of the Cambridge pedestrians who are intimidated by my basket of books and chrome fenders.

And then, last Tuesday, I was pedaling over the bridge at full speed so that I could get my coffee and make it to Advanced Organic Chemistry on time and all of a sudden this

LMA bus starts coming into the bike lane.

And I was thinking Oh, no way, this guy is not going to keep coming in. But he did! He kept going over into the lane until he scraped the side of my bike and it made this awful loud metal against metal sound and I screamed, because some sparks went flying out of the bolt in my wheel, but luckily I was able to jump off my seat and land on my feet.

I expected the bus driver to stop right there and make sure I was o.k. He kept driving and I thought for sure he would pull over once he got past Memorial Drive. But then he kept going and going and then he went right through the light at 77 Mass. Ave.

It was a hit-and-run. I got hit by a bus (#18500) and it ran. I was fine, but still. He didn’t even check. Luckily, as he was driving away, I memorized the plate number.

I pulled myself together and rode the rest of the way to campus and marched over to the cop who was there to ticket people at the light. I started to tell him the story, but he made me wait for about five minutes while he listened to something over the radio.

During this time, I grew more and more livid and when he finally allowed me to talk, I spewed out a five minute speech about how two weeks prior I was ticketed for riding on the sidewalk, but the reason I ride there is because the buses come into the bike lanes, and that I got hit by a bus and he didn’t even stop, and I thought it was ridiculous that the police would ticket people, because they were just putting everyone at risk.

Even though I was calm, the cop had very little sympathy for me. If he saw the bus, he would pull it over, but if it was not the same driver, there was nothing he could do.

Being the dramatic person that I am, I told the story to everyone I knew that day, and I learned a useful piece of information after sharing the story with *The Tech*’s own human encyclopedia: Apparently, Cambridge Ordinance only prohibits people from biking on the sidewalk in Central Square (and Harvard Square).

That means that the police have no grounds for stopping bikers in front of Bexley if they are not endangering the pedestrians (which I most definitely was not doing).

Last Thursday, two days after my near-death experience, I saw some Cambridge policemen by 77 Mass Ave. I had the sense that they were there again to yell at bikers, and I wondered whether they knew of the Central Square law.

I inquired about the reason for their presence at the 77 Mass. Ave light. They were there to ticket people for running the red light, but I decided to tell them my story anyway. The policeman I spoke too seemed relatively unconcerned about the safety of bikers.

I thought that being the victim of a bus hit-and-run accident would give me some power. It hasn’t.

But those who can’t win bore. From now until the point when bikers receive respect, I will keep boring the police with my story.

The bikers of Cambridge deserve to be protected. All we’re doing is riding our little man-powered vehicles and trying to go about our days while reducing carbon emissions.

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Gadget Review

Shake That iPod!

By Michael McGraw-Herdeg

EXECUTIVE EDITOR

WHAT IT IS: The fourth generation “iPod Nano” represents Apple Inc.’s contributions to the hot world of portable music and video players, currently a market dominated by Apple Inc.

WHAT IT DOES: Plays music and videos.

Apple’s newest flash-memory music player brings back a kind of style which had largely been missing in its squat third-generation predecessor. Like the iPhone and the iPod touch, it features an accelerometer.

Unlike the iPhone, it does things when you shake it — a cool touch. The iPod is an excellent, hardy music player with a bunch of features you might want, one you might not (Cover Flow), and one missing feature you might wish you had (an FM radio).

Here’s how the Nano stacks up.

Size: I had forgotten how impossibly small these devices are. The fourth-generation Nano readily fits in that little pocket in the front of a pair of jeans (called a “watch pocket” because it was originally designed to hold your pocketwatch). My earphones are actually heavier than this iPod.

The device is not so small that it is uncomfortable to use; I could easily maneuver the controls even without seeing the control pad.

Accelerometer: Want to play some new music? Shake your iPod violently. It will go into shuffle mode. I am not making this up. (If you don’t like the music you’re hearing, you can shake it again to change the song. This feature proved remarkably useful, because hitting the “shuffle” button is something I do a lot. It can be disabled in the iPod’s settings. I discovered that this feature can be disabled when I was walking around and the iPod kept changing songs like an attention-deficit toddler. (Engaging the iPod’s lock switch, which makes it ignore button presses, will also prevent accidental shakes.)

An accelerometer-triggered feature that you *cannot disable* is Cover Flow: if you hold the iPod sideways, it will show you the covers of various albums on your music player, and you’ll be able to scroll among them. I never liked this feature in the iPod touch because there is no way to change the volume while you’re holding the iPod sideways. This is a usability failure.

Perhaps a future software update will make Cover Flow a setting that can be toggled, but I’m not holding out hope.

Videos: You probably don’t want to watch films on the Nano’s 2-inch screen; it’s probably OK for television. The 320x240 resolution (“quarter VGA”) looks okay — it’s half as many pixels as you’ll get on an iPhone. The display was clear and bright. But in testing, I looked silly holding the iPod up to my face to watch TV.

Genius Playlists: With this new feature, the Nano will automatically create a playlist of songs which it thinks are related to the one you’re currently playing. This is better than ‘shuffle mode,’ and if you don’t already micromanage your playlists, you’ll probably have a good time with this mode.

Games: Of the few games that come with the iPod Nano, one stood out: the built-in Solitaire game is well-designed. I could easily tell the cards apart and found the control scheme much improved over that of the Solitaire games in earlier iPods. It’s almost as good as the version that ships with Windows XP.

Neither of the other games really made an impression: I didn’t like the physics in a three-dimensional Breakout clone called Brick, and I wasn’t totally impressed by an accelerometer-using game called Maze. You can buy more games for the iPod nano from Apple’s iTunes store, although this seems to be the height of frivolity.

Resilience: According to our tests, the iPod Nano can survive typical use patterns in a college dormitory. We tested it extensively.

We made a rule that whenever anyone asked for the Nano, it had to be immediately thrown to the requester, no matter where they were. Unfortunately, not everyone who works for *The Tech* has excellent fine motor skills. The iPod survived high velocity impacts from as far as thirty feet in perfect shape, even without any visible scratches.

Some of our staff are a little butterfingers and had trouble holding on to their iPod. We learned that the iPod Nano can survive drops from as high as ten feet with no visible damage.

One of our staff decided he’d try to taste the iPod. Disgusted, we cleaned it off with acetone (nail polish remover), which we found did not appreciably affect the iPod Nano’s function or case. It still played music fine and it looked great. Then we dipped it in acetone. While the case looks fine — it didn’t dissolve or anything — some acetone seeped through the controls into the iPod’s innards and the backlight flickered, then slowly died. Aside from the LCD backlight not working, the iPod continued to run fine.

We tried completely submerging the iPod Nano in water while it was on to see whether this might clean off the acetone; as far as we can tell, this caused no damage whatsoever. It probably voided the warranty on our review model, however. After drying it off, we noticed some water trapped behind the LCD; but aside from looking slightly like a drowned rat, the iPod Nano continued to run fine.

Based on our experience, the iPod Nano is likely to be immune from most natural disasters, e.g. hurricanes, floods, tornadoes, and from most manmade disasters, e.g. the typical absentminded college student.

Anything Else?: Allegedly the Nano can be used to record sound; I didn’t test this with earphones that also had a microphone.

Anything Missing?: Like every other iPod, the Nano has no FM radio tuner. This is a pain point for some people who like local radio.

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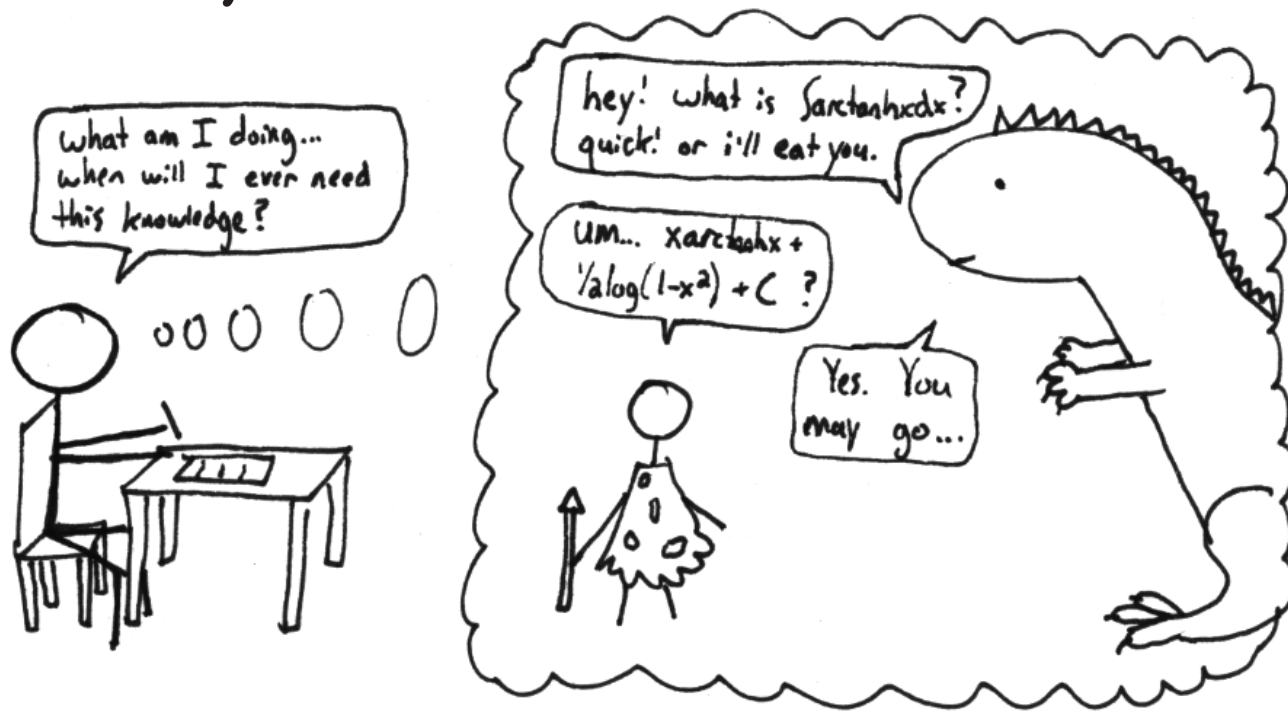
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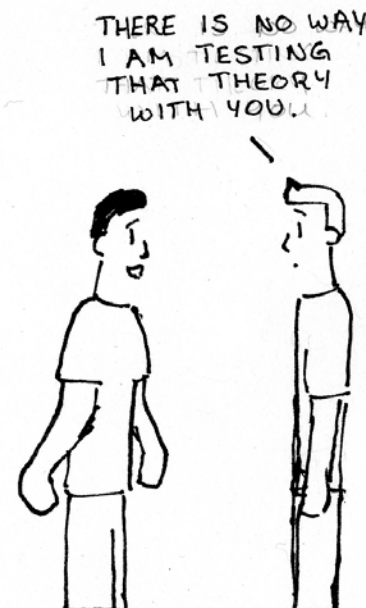
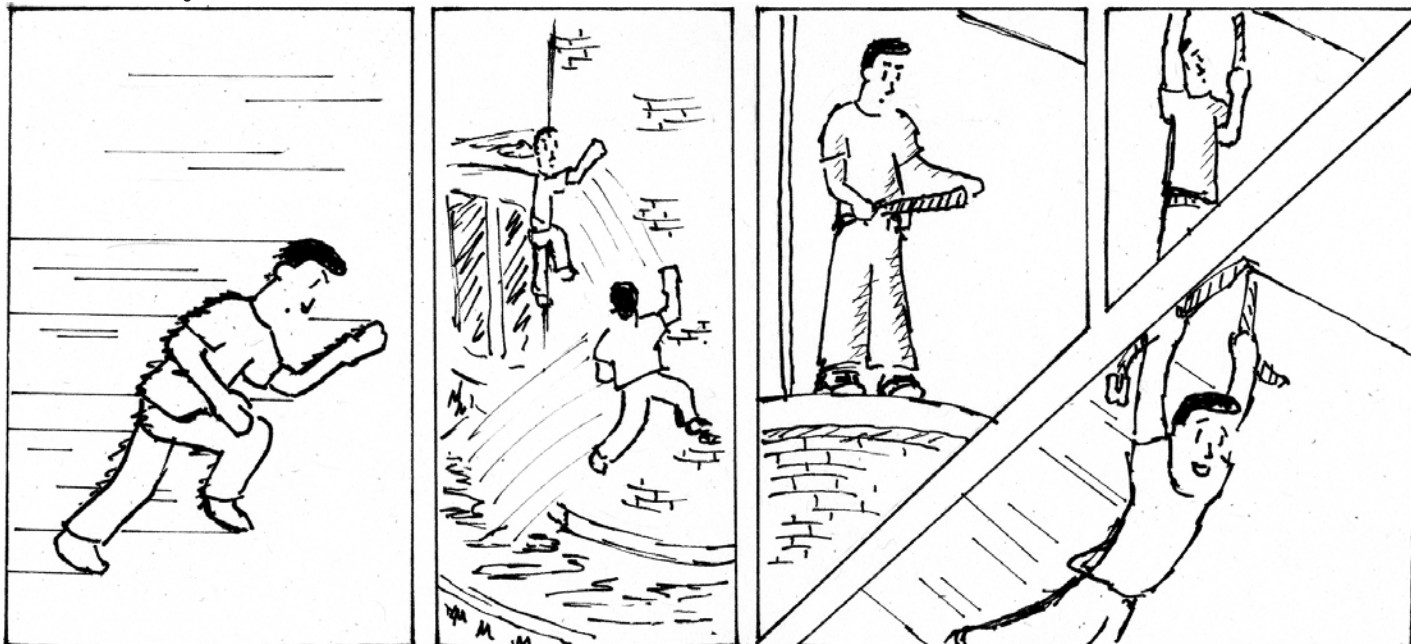
The Daily Blunderbuss

by Ben Peters



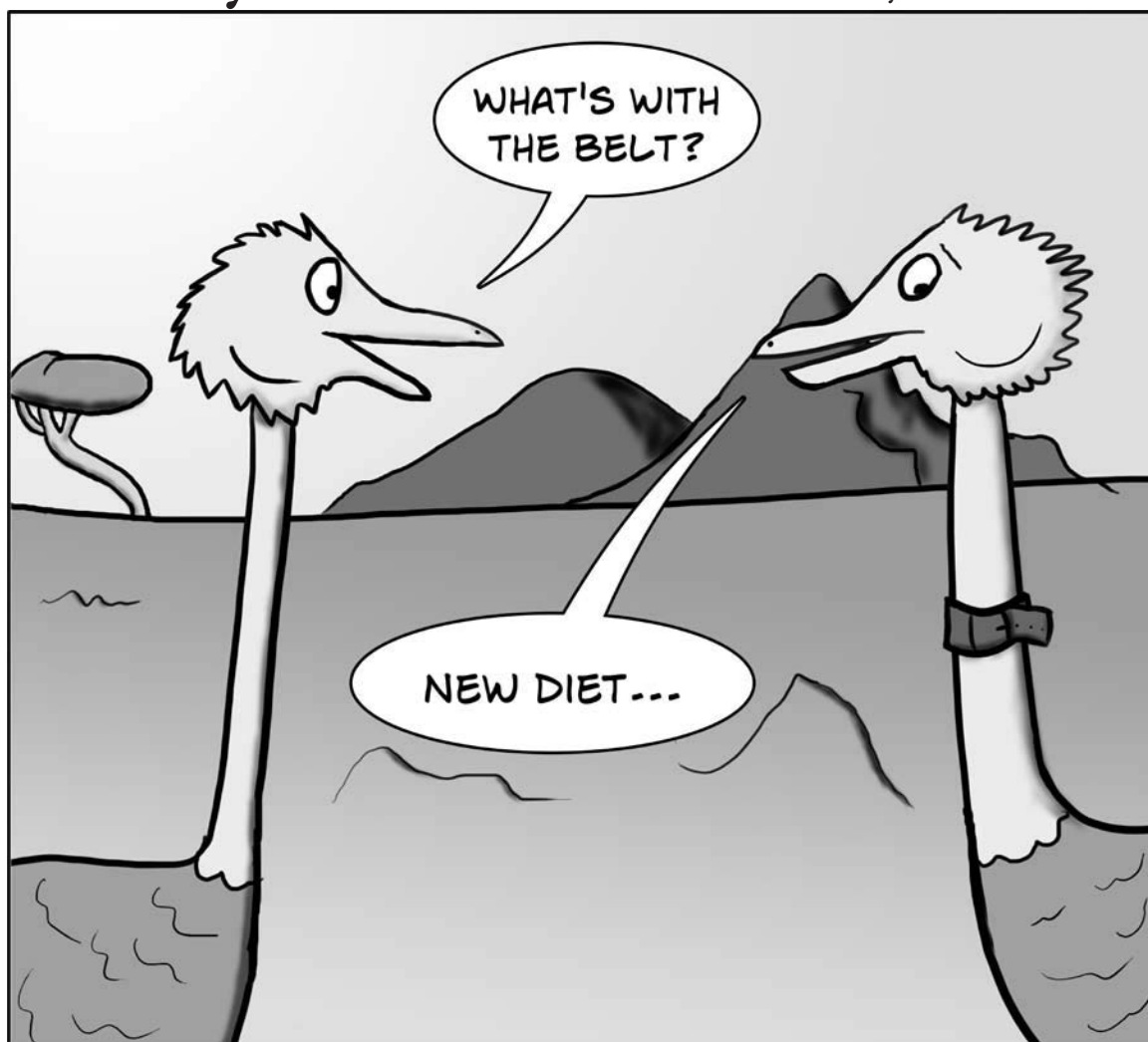
Theory of Pete

by Cai GoGwilt



Steal My Comic

by Michael Ciuffo



su | do | ku

© Puzzles by Pappocom

Instructions: Fill in the grid so that each column, row, and 3 by 3 grid contains exactly one of each of the digits 1 through 9.

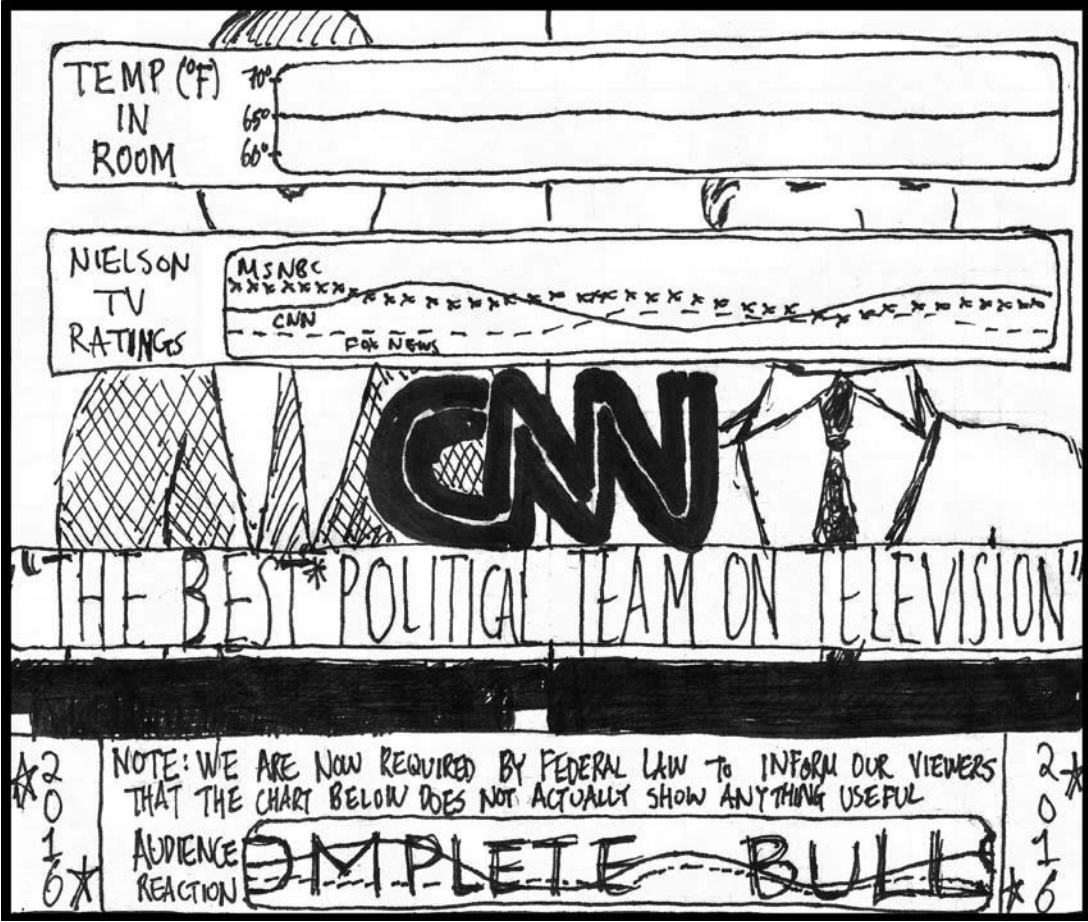
Solution on page 19.

	5		7	2		4		
4		2	5	6	7		3	
7								1
	3		9	4		6		
6								8
8		1	4	7	3		2	
	9		6	8		5		

Solution, tips, and computer program at <http://www.sudoku.com>

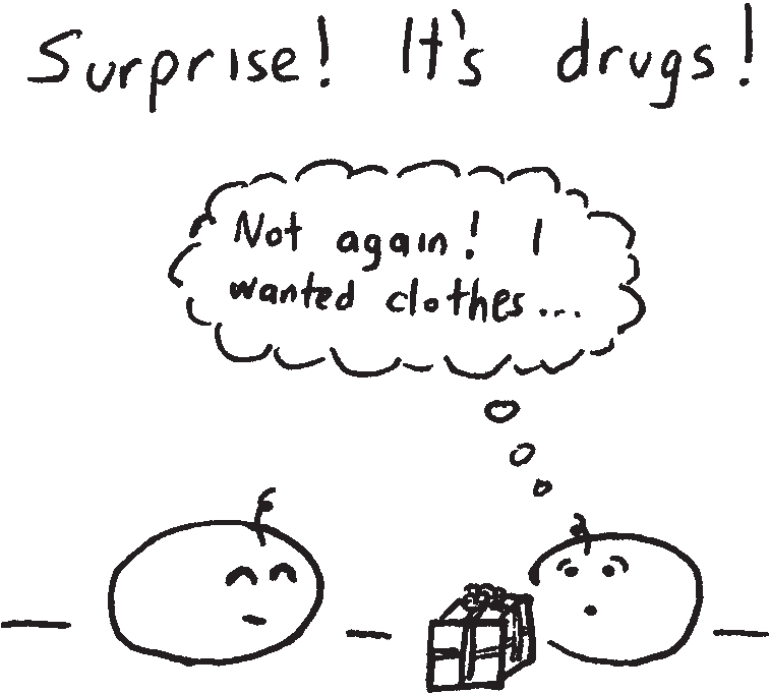
CNN Presidential Debates in 2016

by Bo Zhu



Blobbles

by Jason Chan



Thanks to David Brescia for today's caption. Want to see your caption in Blobbles? Send it to blobbles@tech.mit.edu and I'll draw a cartoon for it!

Doonesbury
BY GARRY TRUDEAU

Dilbert® by Scott Adams

Crossword Puzzle

Solution, page 19

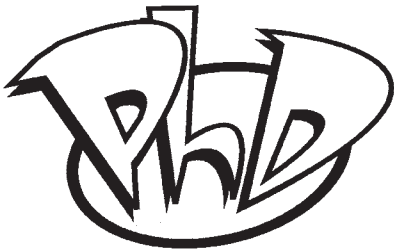
- ACROSS**

 - 1 Office clerk
 - 6 Souffle ingredient
 - 10 Koi
 - 14 Forum
 - 15 Sound defeat
 - 16 Bailiwick
 - 17 Scene of 38A's 63A
 - 20 Black Sea port
 - 21 Underdog victory
 - 22 Court figure
 - 25 Clock-setting std.
 - 27 Tokyo, once
 - 28 In the manner of
 - 29 Parks or Ponselle
 - 32 Major bore
 - 34 City slicker
 - 36 Nebraska river
 - 38 World's best swimmer
 - 43 Masses
- 44 Horn sound
 - 46 Sucker on a shark
 - 49 Source of archery bows
 - 52 Smidgen
 - 53 U-turn from WSW
 - 54 "E.R." network
 - 56 Denali's state
 - 58 Declare
 - 60 Looked like a lecher
 - 63 38A's take
 - 68 Canadian tribe
 - 69 Yorkshire river
 - 70 Outspoken
 - 71 In-office time
 - 72 Yemeni port
 - 73 Bad guys


DOWN


 - 1 Word for the Beatles
 - 2 Dudgeon
 - 3 Wahine's gift
- 4 Relish
 - 5 Commando
 - 6 Work units
 - 7 Sticky substances
 - 8 Solzhenitsyn setting
 - 9 Pigs' digs
 - 10 Dogpatch creator
 - 11 Come to light
 - 12 Move like a hairline
 - 13 Flock leader
 - 18 Sleuth Wolfe
 - 19 Undergo genetic change
 - 22 Chap
 - 23 Grad
 - 24 Dry riverbed
 - 26 Unfounded belief
 - 30 High-tailed it
 - 31 Backstreet
 - 33 Mark of Zorro?
 - 35 Canyon resound
- 37 Nave neighbor
 - 39 Pest from a nest
 - 40 U.A.E. word
 - 41 Movable classrooms
 - 42 Overcharge
 - 45 TV guide abbr.
 - 46 Surgically remove
 - 47 Complete
 - 48 Hardly sufficient
 - 50 Toasty
 - 51 Part of a jacket
 - 55 Smoke mass
 - 57 After-market item
 - 59 Oates novel
 - 61 If all __ fails...
 - 62 Paradise on Earth
 - 64 Indian tourist haven
 - 65 Crackerjack
 - 66 On the __ (fleeing)
 - 67 Devious

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PILED HIGHER AND DEEPER






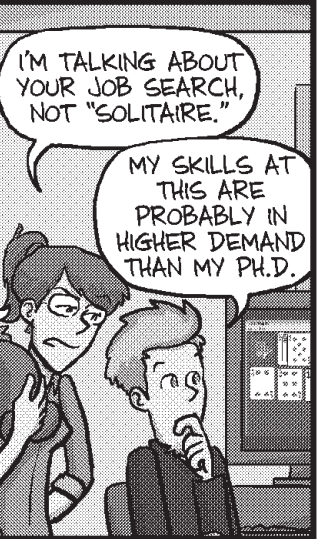
HEY HONEY, HOW'S IT GOING?



NOT BAD, ACTUALLY.
I'M EXPLORING MY OPTIONS, FOLLOWING UP ON LEADS...



IF I PLAY MY CARDS RIGHT, I SHOULD HAVE EVERYTHING LINED UP PRETTY SOON.



I'M TALKING ABOUT YOUR JOB SEARCH, NOT "SOLITAIRE."
MY SKILLS AT THIS ARE PROBABLY IN HIGHER DEMAND THAN MY PH.D.

WWW.PHDCOMICS.COM

Bonus Crossword

Solution, page 20

ACROSS

1 Thoroughly wet

6 Sprinkle after a shower

10 Clicking sounds

14 Clarinetist Shaw

15 Last of switch?

16 Surface size

17 Heading for England

20 Plainsong feature

21 Carried by wind

25 North of Paris

26 Grp. for mom-&-pop stores

29 Mom's mom

31 Florida fish

33 Sty cry

34 Org. of court players

37 Ducks' relatives

38 Get outta here!

41 Rams and bucks

42 Cravings

43 Curtain holder

45 Thwacks, old-style

47 "Star Trek" star

49 Cotton cleaner

50 Vague amount

53 Beginnings

54 Of the kitchen

56 Very small amount

63 Debatable

64 Consider

65 "___ Rae"

66 Tasty tubers

67 Tender

68 Choose by vote

DOWN

1 U.S. defense group

2 Bobby of the NHL

3 Classic Pontiac

4 Army rcts.

5 Fawning subordinate

6 Ken. neighbor

7 Inert gas

8 State-sponsored gambling

9 Accomplice

10 Magnetic recording

11 No-seats-available letters

12 Kesey or Follett

13 Unhappy

18 Isotope of thorium

19 Ultimate conclusion

21 Star quality

22 Paper folding

23 Lotion additive

24 Type of printer

26 Washington city

27 Thoroughwort

28 Ques. response

30 Catch sight of

32 Cooks with dry heat

35 Dead heat

36 Landers and Jillian

39 Consumes completely

40 No longer aboard ship

41 NYC arena

44 60-min. units

46 Cubes and spheres, e.g.

48 Whichever person

51 "Rebel Without a Cause" co-star

52 Input, as data

54 Bivouac beds

55 Lamenters' words

56 Tan or Smart

57 Morgue letters

58 CD-___

59 Fig. list

60 Afore

61 All-films stn.

62 Writer Hentoff

1	2	3	4	5		6	7	8	9		10	11	12	13
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66						67				68				

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⇒ **WHEN**

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A Cappella Groups Perform for Families



(clockwise from below)
Jared C. Sadoian '10 from the Chorallaries sings "Africa" by Toto.

Michael E. Lee '09 and the Logs close Songfest with "Once In a Life-time" by Talking Heads.

The MIT/Wellesley Toons perform "I'll Make a Man Out of You" from the movie *Mulan*.

Caroline H. Hunting '11 from Resonance belts "That Thing" by The Fugees.

Shamarah J. Hernandez '12 from the Muses shows off her skills singing "Shut Up and Drive" by Rihanna.

Stephanie Senna '12 from the Cross Products sings "All Things Are Possible" by Darlene Zschech.

Photography by Andrea Robles



Assault Reports Rise To Eleven From Zero After Federal Grant

Health Educator, from Page 1

2005. The grant aimed to fight sexual assault on campus. So far, the program has worked to raise awareness and encourage victims to seek aid. “At MIT, like many other colleges, sexual assault and related crimes often go unreported,” she said. “It is the goal of our program to build on an environment where people feel safe coming forward, while strengthening our culture of respect.” Clinical Director for Campus Life Maryanne Kirkbride said she thought the program had been a success so far, pointing to the fact that the number of reported sexual assaults on campus had risen from zero

to eleven. McCarthy said that, as a sex educator, “My role is to put as much correct information into people’s minds and to make people make informed sexual decisions ... Sexual health is not just about the plumbing act of actual intercourse.” Before coming to MIT, McCarthy worked as a school health project coordinator in the Sexuality Information and Education Council of the United States and a sex educator at Bentley College. Kirkbride said that having a sex educator at MIT is important because “we have nutrition and sleep educators as well, and sexual health is part of being a healthy person.”

<p><i>Name:</i> Kate McCarthy <i>Position:</i> Health Educator. Responsible for sexual health. <i>Education:</i> New York University, SM in Health Education. University of Massachusetts Amherst, AB in Journalism. <i>Contact Information:</i> Kate McCarthy can be reached at kmcc@med.mit.edu or (617)-253-4420. Her office is E23-201. <i>Message to MIT Students:</i> “I am new to campus. I am excited to come out to the community and help answer as many questions around sexual health as there are. I look forward to hearing from everybody really, really soon. I’m ready to help anyone seeking a decision at any angle of his or her life.”</p>	<p><i>Name:</i> Divya B. Kumar <i>Position:</i> Health Educator. Responsible for violence prevention and response. <i>Education:</i> Harvard School of Public Health, SM in Health and Social Behavior. Wesleyan University, AB in Psychology and Sociology. <i>Contact Information:</i> Kumar can be reached at kumar@med.mit.edu or (617)-253-1307. Her office is E23-203. <i>Message to MIT Students:</i> “If you have been sexually assaulted or if you feel unsafe in your relationship, you are not alone. The [Program for Violence Prevention and Response] can connect you with resources both on and off campus for medical, legal, and counseling assistance. If a friend tells you that they have been assaulted or feel afraid in a relationship, listen to them and believe their story. If you hear a friend make a sexist comment, speak up.”</p>
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Harvard Art Museum Receives \$45 Million Donation From Pulitzer Group, Plans to Expand and Renovate

By Geoff Edgers
THE BOSTON GLOBE

Fifty years ago, when Emily Rauh Pulitzer worked as an assistant art curator at Harvard University, she knew the buildings housing the university’s vast art collection needed renovation. Now she’s taken a striking step to help: Friday, the Harvard Art Museum announced Pulitzer’s donation of \$45 million for its ambitious museum renovation project, along with a gift of 31 artworks valued at about \$200 million by top modern and contemporary artists including Picasso, Modigliani, and Giacometti.

The largest donation in the museum’s history, Pulitzer’s gift comes at a time when the Harvard Art Museum has just embarked on a dramatic renovation of its central Quincy Street site: Harvard’s linked Fogg and Busch-Reisinger museums closed earlier this year and will not reopen until 2013.

The donation, which comes after three years of discussions, constitutes a major addition to Harvard’s art collection, including several works of historical importance by Edouard Vuillard, Andre Derain, Constantin Brancusi, Picasso, and Richard Serra. One piece is already on display in Harvard’s Arthur M. Sackler Museum:

Serra’s 1969 sculpture “Untitled (Corner Prop Piece).”

Pulitzer, 75, is the widow of the late newspaper mogul Joseph Pulitzer Jr. Her relationship with the Harvard Art Museum dates back to 1957, when she became assistant curator of drawings. She received her master’s degree in the arts from Harvard in 1963. She also serves on the university’s board of overseers and has been a chairwoman and member of the Harvard Art Museum’s visiting committee and collections committee. Her husband served on the university’s board of overseers from 1976 to 1982.

As an assistant curator, Pulitzer worked in Harvard’s Fogg Museum. Built in 1927, the Fogg lacks storage space, has a leaky roof and outdated plumbing and electrical systems, and has no climate control in its galleries, where large floor fans circulate air in the summertime.

In an interview by phone Friday from St. Louis, where she lives, Pulitzer said that her financial commitment came after years of following Harvard’s plans to renovate the Quincy Street complex, as well as its plans to build a new museum for contemporary art in Allston. In recent years, Pulitzer has met with Harvard Art Museum director Thomas W. Lentz

and architect Renzo Piano multiple times to discuss the Quincy Street project. Harvard president Drew Gilpin Faust flew to St. Louis last fall to meet with Pulitzer and stressed that she views a commitment to the arts as a central part of the university’s mission.

“I wanted to be sure that the 32 Quincy St. project would proceed and would proceed in a manner that would really solve a great many of the needs of the art museum,” said Pulitzer. “By the time I made the gift, I felt very, very sure they were going about it in a great way.

Pulitzer, who typically goes by “Emmy,” has built a collection over the years that’s the envy of curators of modern and contemporary art. She and her husband have already given millions of dollars worth of artworks to Harvard and her adopted hometown’s Saint Louis Art Museum.

The works in the current Harvard gift display a discerning collector’s sensibility. Though the pieces span more than a century, there are strong links between them, both historically and thematically. There’s an emphasis on Cubism and Minimalism, a discernible love of sculpture, and evidence of wit in works by the likes of Roy Lichtenstein, Bruce Nauman, and Claes Oldenburg.

“We’re trying to bring what we consider a collection with serious weaknesses into greater balance with our greater collections,” said Lentz Friday. “What Renzo Piano is going to give us is not only a state-of-the-art facility but one that has more room for exhibitions and an expanded platform for modern and contemporary art.”

Pulitzer’s gift comes roughly six months after David Rockefeller, a Harvard classmate of Joseph Pulitzer Jr., gave the museum about \$30 million.

Last fall, Faust paid a two-day private visit to Pulitzer in St. Louis as part of the college’s effort to woo her to make a donation. Faust toured the Pulitzer Foundation for the Arts, a private museum Pulitzer built, and talked with Pulitzer about the task force Faust had formed at Harvard to examine the place of the arts at Harvard.

Faust said Pulitzer’s gift is heart-

ening, particularly as the economy sours.

“It’s also marvelous to see generosity and to recognize that generosity persists over time,” Faust said. “In the realm of art, we’re reminded of the long term and the enduring and that which transcends the immediate. One imagines people appreciating these works centuries from now.”

No decision has been made on what part of the renovated Quincy Street complex will be named after Pulitzer, though Lentz said he expected she would be honored in that fashion. It also isn’t clear how soon the public will be able to see Pulitzer’s donated works. Lentz said some of the pieces will go on display when the renovated space reopens in 2013. Later, when Harvard realizes its longtime hope of building an Allston contemporary-art museum, some of Pulitzer’s work will probably be moved across the Charles River, he said.

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Public Service message from SAVE (Suicide Awareness/Voices of Education) <http://www.save.org>

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Tues

Wed

Thurs

Fri

All Week

poverty.week::2008

1-3PM :: Business As Unusual - What does it look like?: Interactive Poverty Arts Project
Bag and Shirt Making (TSMC Lobby, Stata Center)

5-6.30PM :: Domestic Poverty Discussion Panel (20 Chimneys, 3rd Floor Student Center)

7PM :: Speaker: Utkan Demirci, Low-cost HIV detection (6-120)

9PM :: Poverty-related dorm study break (New House)

All Day :: Featured Group - Millenium Campus Network (Lobby 10)

2-4PM :: Development Projects Midway: Student Projects at MIT (Lobby 13)

5.30-7PM :: Projects Workshop with Amy Smith (32-155)

9PM :: Poverty-related dorm study break (McCormick Hall)

All Day :: Featured Group - Global Education Office (Lobby 10)

1-3PM :: Business As Unusual - What does it look like?: Interactive Poverty Arts Project
Bag and Shirt Making (TSMC Lobby, Stata Center)

3.30-5PM :: Speaker: Richard Tabors
Energy and water planning for developing nations (TBD)

5-7PM :: Spirituality and Poverty: A dinner dicussion with Professor Ananta Kumar Giri and Reverend Lallie Lloyd, RSVP to Christina English at cenglish@mit.edu (7-338)

7PM :: Model UN World Crisis Simulation, RSVP to airmun-exec@mit.edu (32-141)

7.30-9.30PM :: Yunus Challenge Dinner (R&D Pub, 4th floor Stata Center)

9PM :: Poverty-related dorm study break (Baker House)

All Day :: Featured Group: Sustainability@MIT (Lobby 10)

5-9PM :: Video: Poverty Week in Review (Student Center steps)

5PM :: Student Art Association Display (Weisner Art Gallery, 2nd floor Student Center)


All Day :: Featured Group - Western Hemisphere Project and Sacha Yaku (Lobby 10)

Week-long Action Challenge for everyone - undergrads, grad students, staff, & faculty
Can you eliminate non-water beverages for the week and donate the money saved?

Blogging and Discussion Forum: How should we approach the crisis of poverty?
What can be done, and what can you do?

Global Poverty Initiative at MIT and other featured groups in Lobby 10

Interactive Displays throughout campus (Student Center, Lobby 10, Lobby 13, Stata Center)



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Company Presentation: 10/28 at 7PM (Room 4-237)

Resume Submission Deadline (Career Bridge): 11/4

OPERA
SOLUTIONS

Phoenix Group May Disband If Renovation Delays Exceed 1 Yr.

W1, from Page 1

on Wednesday, Stone presented the state of MIT's finances but did not mention any possible delays in construction of W1.

MIT told Ashdown and W1 housemasters about this decision on Sunday; Undergraduate Association and Graduate Student Council leadership was told Monday morning; and members of the Phoenix Group and the Ashdown House Executive Committee were told during a Monday evening meeting.

Colombo met with the "Task Force on Student Engagement" on Monday morning and that night, Colombo and Vice Chancellor Steven R. Lerman '72 met with members of the Phoenix Group to discuss a hold on the W1 construction schedule.

"The purpose of the meeting was to inform [students] of the situation around W1 moving forward, also discussing with them what we can do to continue to support them," Colombo said last night.

"We had a very thorough discussion," said Colombo. "The students started thinking about what can be done to keep the group together and make sure that they had a good living experience while they were in Ashdown until we can move forward with W1," he said.

"[The students] weren't overly surprised," Colombo said. "While they are disappointed and we are disappointed, they clearly understood

the reasoning behind it and they are trying to look forward in keeping this an organization that works with the administration on developing W1," he said.

Colombo said he could not provide a specific time when the W1 renovation project would continue, but added that "there is a commitment to move forward with the plans as soon as the economy gets better."

With the timeline currently up in the air, the future of the Phoenix Group is unclear. According to Kaduk, the Phoenix Group will likely continue living at NW35 this year, but "if long delays are predicted ... the group may disband until W1 looks like a more practical option."

In an e-mail provided to *The Tech*, Phoenix Group president Karl Wolff '11 wrote to the group, "Sunday's dinner meeting will now focus on our reaction to this new situation."

Ashdown undergraduate residents contacted by *The Tech* declined to comment. According to another e-mail provided to *The Tech*, Wolff advised Phoenix Group residents to be cautious in talking with the press.

Phoenix Group graduate resident tutor Leah C. Acker also declined to comment and apparently encouraged her residents not to speak to *The Tech*. After last night's meeting, an Ashdown resident reported by e-mail that he had been told by a GRT not to say anything that could be quoted because of uncertainty surrounding the future of W1.

The School of Engineering announces the following opportunities open to eligible Sophomore and/or Junior students in the School of Engineering and the School of Science

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The Goldwater Program provides scholarships of up to \$7500 per academic year. Sophomore scholarship recipients will be eligible for two years of scholarship support. Junior scholarship recipients will be eligible for one year of scholarship support.

Nominations must be from YOUR DEPARTMENT and are due at The School of Engineering, Dean's Office, 1-206 By: November 24, 2008

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- 9) When You Need To Ask Confidential Questions
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This space donated by The Tech

Novartis Center in Cambridge Producing New Drug Research

By Todd Wallack
THE BOSTON GLOBE

Six years after the Swiss drug giant Novartis AG built a major research center in Cambridge, Mass., the move is bearing fruit, corporate executives say.

Chief executive Daniel Vasella said the Basel, Switzerland, company has developed a pipeline of experimental drugs in Massachusetts to treat cancer, diabetes, and other diseases.

“There are plenty of good things coming out of Cambridge,” Vasella said last week at Harvard Business School, where he was attending its Centennial Global Business Summit. “We have a flow now of new products coming into the pipeline which is very promising.”

Vasella said Novartis is likely to continue growing in Cambridge, though not at the same pace as it has in the past few years. “I don’t see a stop in growth, but I see a significant slowdown,” he said.

Three of the experimental drugs, which still have internal code names and were discovered in Cambridge, are being tested in humans: LCZ-696 and LCI-699 are in mid-stage clinical trials for hypertension. And LBH-589 is in early trials for two types of cancer, multiple myeloma and advanced solid tumors.

In addition, Novartis said it has several other promising compounds that are still being tested in the laboratory or on animals, including for cancer, diabetes, and cardiovascular disease.

But Vasella cautioned that the treatments are still years away from being approved by federal regula-

tors.

And industry analysts frequently note that the vast majority of experimental drugs are never approved because they turn out to be less effective than hoped, have serious side effects, or other complications.

Scientists in Cambridge also oversee much of the company’s drug research around the world, including a dozen new drugs that could potentially be submitted for approval in the next few years. Novartis plans to provide more details for analysts and investors on Nov. 19 in Cambridge. It’s also scheduled to report quarterly earnings today.

In May 2002, Novartis decided to make Cambridge the headquarters for its global research unit, called the Novartis Institutes for Biomedical Research, housed in the old Necco candy factory near Central Square. In 2006, the company decided to locate its vaccines and diagnostics division in Cambridge, too. Novartis now has roughly 2,000 employees in the city, making it one of the region’s largest life sciences employers.

Vasella said Novartis was primarily drawn to Massachusetts because of world-renowned research universities like Harvard University and the Massachusetts Institute of Technology.

“You are so spoiled with good schools and great academic centers,” Vasella said. “You have to do whatever you can to maintain that.”

But Novartis passed up Massachusetts a year ago when it decided to build a new drug manufacturing plant.

Vasella also said the state has some drawbacks, including the high

cost of property, that make it a less attractive place to build a plant. He noted that some countries, such as Ireland and Singapore, where Novartis also scouted for sites for its new plant, offer lower tax rates. The company ultimately decided to build in Singapore.

Vasella also had mixed reaction to the state’s recent decision to force drug companies to disclose payments of at least \$50 to doctors and restrict some payments altogether.

“It’s fine with me to be transparent,” he said, adding that the law wouldn’t deter his company from continuing to invest in research and clinical drug trials in the state. He said companies shouldn’t be making payments to doctors if they are worried about them being disclosed.

But Vasella found the \$50 threshold odd.

“You don’t have a lot of respect for your physicians. If you can be bought for \$50, you are really becoming cheap,” he said.

And he warned that the regulations could create a mountain of additional paperwork, ultimately adding to the cost of drugs without providing anything tangible in return.

A spokeswoman for the state Department of Health, which is drafting regulations to implement the law, said the rules are an important part of the state’s effort to improve the quality and cost of healthcare.

Some healthcare advocates warn that doctors who are paid by drug companies could potentially steer patients toward expensive brand medicines instead of cheaper or better alternatives.

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EVENT DETAILS

**Wednesday, October 22, 2008
6:00p–7:30p**



Join noted health care economist and MIT professor of economics Jonathan Gruber as he diagnoses our ailing health care, explains why other countries’ systems are in better shape, and offers a recovery plan.

**MIT Bldg E25-111 (Whitaker College)
45 Carleton Street, Cambridge**

web.mit.edu/cis | starrforum@mit.edu

A Starr Forum Event Sponsored by the Center for International Studies at MIT

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Thu 10.23 vs. TOR	Wed 11.19 vs. BUF
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 Joanna Rodriguez at
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MIT International Science and Technology Initiatives

MIT-Spain Information Session

October 23rd , 5:00-6:30pm
 292 Main Street, E-38, 7th floor
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Research

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mit.edu/misti

Cambridge Resident Claims Police Were Excessively Forceful

Arrest, from Page 1

and the floor of the building.”

At least two additional MIT police officers came to West’s aid after he radioed for backup. Together, they handcuffed Bonanni, read him a Miranda warning, and took him away from the scene. West was later treated at Cambridge City Health and Alliance Hospital for an injury to his left hand that resulted from the arrest.

Resident witnessed arrest

Andrew Richardson, a Cambridge resident who was attending the event with a few friends, said he believes the police used excessive force in the arrest. Although he said he did not see the initial encounter between Bonanni and police, he told *The Tech* that loud voices quickly drew his attention, and that of nearby attendees, away from the festive atmosphere accented by free food and wine.

“Suddenly, there was some kind of commotion going on by the entry”, said Richardson. “It was an odd juxtaposition.”

MIT Director of Facilities and Security John DiFava denied that anyone in his department would have used excessive force against an arrestee.

“I am comfortable with the behavior of the officers of the station,” said DiFava. “There is no excessive force on the MIT police force because I would not allow it.”

According to Richardson, Bonanni was yelling as a male campus police officer pinned him to the floor and a female security guard stood by. A woman who Richardson believed to be a List Center staff member stepped forward in an attempt to calm the situation, but officers told her to stay out of the situation.

“The campus police officers

were ‘in the zone,’” Richardson said. “Their efforts to subdue the kid seemed uncalled-for, an overreaction.”

DiFava said that officers undergo extensive training to meet and exceed Institute and state regulations regarding the use of force in an arrest. Standard protocol for campus police officers is to use enough force to overcome the level of force used by the arrestee.

If, for example, someone were to hit an officer with a closed fist, the officer would be authorized to use next level of force — perhaps pepper spray. Should an arrestee use a knife, the arresting officer can draw his firearm.

“It should be enough to subdue the individual,” said DiFava.

Days after the incident, Richardson called MIT campus police to report what he saw, although he believes his complaint was not adequately heard. “If what I saw is the way MIT officers are trained to respond, that’s pretty scary,” Richardson stated.


DiFava, however, said that an arrest has the potential to be overwhelming to the typical person, who has not seen as many arrests as a police officer. From experience, he said even a ninety-pound person can provide a surprising amount of resistance. In most situations, it is best for multiple officers to confront a belligerent suspect.

“For a person to see an arrest transpire ... they don’t know what it’s like,” he added. “It’s probably the first or second arrest someone’s seen in his life.”

Bonanni’s lawyer said that he and his client are focused on the current case and have not given much consideration to the possibility of pursuing counter legal action following Bonanni’s jury trial.

A Conversation with Admiral William Fallon

Former CENTCOM Head Addresses Global Issues of National Importance For the Next U.S. Administration




Tuesday, October 28, 2008
4:30p–6:00p


MIT Bldg E51-Wong Auditorium
70 Memorial Drive Cambridge, MA

Admiral Fallon joined the MIT Center for International Studies as its 2008-09 Robert E. Wilhelm Fellow upon retiring from the military after 41 years of distinguished service.

This is a Starr Forum Event Sponsored by the MIT Center For International Studies



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Solution to Crossword														
from page 9														
F	I	L	E	R		E	G	G	S		C	A	R	P
A	R	E	N	A		R	O	U	T		A	R	E	A
B	E	I	J	I	N	G	O	L	Y	M	P	I	C	S
						O	D	E	S	S	A		U	P
L	A	W	Y	E	R		G	M	T		E	D	O	
A	L	A		R	O	S	A		Y	A	W	N	E	R
D	U	D	E			P	L	A	T	T	E			
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						H	O	R	D	E	S		T	O
R	E	M	O	R	A		Y	E	W	S		D	A	B
E	N	E		N	B	C					A	L	A	S
S	T	A	T	E		L	E	E	R	E	D			
E	I	G	H	T		G	O	L	D		M	E	D	A
C	R	E	E			O	U	S	E		V	O	C	A
T	E	R	M			A	D	E	N		E	N	E	M

Solution to Sudoku														
from page 8														
9	7	6	3	4	1	2	8	5						
1	5	3	7	8	2	6	4	9						
4	8	2	5	9	6	7	1	3						
7	4	5	8	6	3	9	2	1						
2	3	8	9	1	4	5	6	7						
6	1	9	2	7	5	4	3	8						
8	6	1	4	5	7	3	9	2						
3	9	7	6	2	8	1	5	4						
5	2	4	1	3	9	8	7	6						

Community Lecture Series

Addir Fellows

Understanding One Another's Culture: An Interfaith Perspective

Thursday, October 23, at 7:30 pm

Building W11
Religious Activities Center
Corner of Amherst and Mass. Ave.
Main Dining Room

MIT Interfaith Dialogue Program

Speaker
Imam Yahya Hendi

Imam Hendi – of Georgetown University's Campus Ministry – will focus on experiences as a Palestinian Muslim coming to the US, encountering those of other faiths and insights into the necessity of learning from and about each other.

Questions: ora@mit.edu
Website: mit.edu/dsl/addir/

All are invited to attend.



Addir is a word in Ancient Sumerian which means “bridge”. In the Addir Fellows Program we aspire to build bridges of dialogue and understanding. The Addir Fellows MIT Interfaith Dialogue Program is sponsored by Office of Dean for Student Life and MIT Hillel in cooperation with the Board of Chaplains.

This event is co-sponsored by MISTI – <http://mit.edu/misti> – and will include a brief overview of how MISTI provides MIT students with opportunities to connect to cultures in other countries.

Made possible by the Council for the Arts at MIT

Free tickets for MIT students!

Bill T. Jones/Arnie Zane Dance Company

Friday October 24, 8pm ICA Boston, 100 Northern Avenue, Boston

“Another Evening: Serenade/The Proposition” draws on the legacy of Abraham Lincoln, using his documented words, his contemporaries’ writings and speeches, and other texts to set up the push and pull of historical perspective. Our connection to history—or lack thereof—is evoked through video, an original score blending classical and folk music in a contemporary pastiche.

Toumani Diabaté from Mali

Saturday, November 1, 8pm Somerville Theatre, 55 Davis Square, Somerville

One of the most important musicians in Africa today, Toumani Diabaté is a performer of truly exceptional talent and creativity. Regarded by many as the greatest living kora player, he performs a very special concert of stunningly beautiful solo work, a timeless blend of traditional melodies, original compositions and breathtaking improvisations.

Radius Ensemble

Saturday, November 15, 8 pm Killian Hall, 14W-111, MIT

Villa-Lobos Bachianas Brasileiras for flute and bassoon
Harbison Variations for clarinet, violin and piano
Holland Quintet for flute and strings (World Premiere Commission by Jonathan Bailey Holland)
Mozart Quintet in E-flat for piano and winds, K.452

Huun Huur Tu: Throat Singers of Tuva

Saturday, November 22, 8pm Somerville Theatre, 55 Davis Square, Somerville

From the independent republic of Tuva, bordering Mongolia, comes an ear-twisting vocal technique called khöömei. In this style, a single vocalist produces two or three notes simultaneously. Accompanied by traditional string and percussion instruments, the ensemble sings rhythmic songs that capture the magic of the Siberian steppe.

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<http://web.mit.edu/arts/see/freetickets/index.html>

College Tuitions Burdensome as Economy Falters

By Peter Schworm
THE BOSTON GLOBE

ARLINGTON, MASS. One of Tom Woodbury's sisters went to Vanderbilt University, the other to Boston College. But they didn't choose those pricey private colleges during a financial market meltdown that took a sizeable chunk of the family's college savings. So the younger Woodbury, a senior at Arlington High School, is leaning toward the University of Massachusetts at Amherst, which costs less than half as much as many of its private counterparts. The more the Dow Jones industrial average declines, the more the state's flagship university seems to come up in conversation, he said.

"I've been hearing 'UMass, UMass' around the house for a while now," he said dryly, after attending a UMass recruiting visit Thursday afternoon with 30 classmates. "I'm getting the hint."

Cost, always a major factor in choosing a college, has taken on paramount importance this fall as high school seniors decide where to apply. Many parents, gun-shy over plummeting retirement funds and home values, are recoiling at the prospect of a high-priced college, and urging their children toward more affordable alternatives in what higher education specialists refer to as a "flight to price."

They predict public universities will see a surge in interest, while some pricier private colleges, especially those with relatively small endowments and modest financial aid budgets, will receive fewer applications.

While application figures won't be available until next year, recruiters at the state's public colleges report unusually high turnouts at college fairs and campus open houses this month. Amid turbulence in the stock market, which coincided with the start of the college selection process, students are peppering admissions officers with questions about financial aid and loans.

"This year is going to be all about economics," said Tom Parker, dean of admission and financial aid

at Amherst College.

Just as parents have watched in horror as their investments went up in smoke, colleges have seen their endowments decline. Their losses could limit their financial aid budgets at a time when demand for reduced tuition will probably escalate.

"As families suffer through the meltdown, so are the schools," said Stephen Michaud, a college consultant in Norwell. "It's definitely going to have an impact on what schools can provide in financial aid."

Michaud, who advises one family whose six-figure college fund lost 65 percent in one week, said parents are taking a keen interest in the University of Massachusetts system and the state's public colleges, which cost an average of \$6,400 a year. Enrollment at state public colleges rose sharply this fall, an increase that administrators attributed to the slumping economy.

The projected rise in families seeking financial aid is not expected to have a major effect at the wealthiest schools, such as Harvard, MIT, Dartmouth, and Wellesley, which admit students without considering their ability to pay and meet families' full demonstrated need.

But the vast majority of colleges, from small schools such as Simmons to large universities like Northeastern, lack such resources

and must carefully consider finances as they assemble their incoming class. Some educators fear that a sustained economic downturn will make colleges, particularly smaller schools that depend heavily on tuition, more dependent on students who can pay full freight, and less able to meet full financial need.

"I can imagine that's only going to increase, and that has obvious implications for access," said David Hawkins, director of public policy and research at the National Association for College Admission Counseling.

Colleges say that they hope to expand financial aid to avoid pricing families out, and that they do not believe the economy will force major changes in their admissions and financial aid practices.

"A lot depends on how quickly and if this all settles down," said Laurie Pohl, vice president for enrollment and student affairs at Boston University, which costs about \$50,000 a year. BU recently imposed a hiring freeze and a moratorium on new construction projects in anticipation of increased demand for financial assistance.

"If the external environment remains as chaotic as it has been, I think it's going to be very difficult," Pohl said.

Surveys prompted by the recent economic troubles suggest that families are adjusting their college

plans. Half say they are limiting their child's college choices to less expensive options and more than half are considering in-state, public colleges, according to ApplyWise.com, an online college admissions counseling service.

Nearly 90 percent of families reported cutting back on spending to set more aside for college. A separate survey, conducted by MeritAid.com, found that more than half of students are considering a less prestigious college because of cost.

"I'm definitely seeing more families put a financial 'safety school' on their list," said Mindy Popp, a college consultant in Newton.

Still, some college administrators say families will be willing to sacrifice for a college degree.

"With a doubt, price will be on families' minds," said Philomena Mantella, vice president for enrollment management at Northeastern University. "But they are sophisticated consumers. They will look beyond the price. Value is what really drives decisions."

But this fall, students seem particularly motivated by the bottom line. Shayna Bailey, associate director of admissions at Framingham State College, said a recent visit to Waltham High School drew nearly 70 students, well over twice as many students as usual. And UMass-Amherst's fall open house, which brought more than 5,000 prospective students to campus on Saturday, filled up earlier than in previous years, officials said.

At Arlington High School, students crammed into the library to hear Danny Barr, a 26-year-old assistant admissions director at UMass-Amherst. Right off the bat, Barr stressed to the seniors the bottom line - \$18,000 annually for students from Massachusetts.

For price-conscious students like Alex Uteshev, that figure drowned out the rest of Barr's pitch.

"So many schools are \$50,000 a year now," he said. "It's ridiculous. Personally, this isn't just my first choice, this is where I have to get in."

But many students said they were applying to a range of colleges with little regard to cost, and would worry about paying for it later. As Barr told the students, the average grade point average (3.5) and SAT score (1,155) for entering UMass freshmen, many sighed in regret.

"Right now, they are far more worried about where they can get in," said guidance counselor Lynna Williams.

But the two are related, some note. With applications surging at UMass-Amherst in recent years, only about 63 percent of students are accepted, far less than in the past. Catherine Leger, the head of the guidance department at Brockton High School, said she is pushing her son, a senior, to attend UMass next year. Whether he can get in is another question.

"We're tapped. We're pushing him to the state schools," she said. "But they are only going to get more competitive."

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Lewis Music 14E-109

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Rotch 7-238

Science 14S-100



As of Friday, August 1, the MIT Libraries have converted copiers from copy cards to TechCASH.

If you have at least \$10 on your old copy card, you can exchange it for a temporary TechCASH-compatible card at Document Services (14-0551).

If your old copy card has less than \$10 on it, don't worry, you can still use it in Hayden, Barker, Dewey and Rotch until October 31.

So get busy, make some copies!

LEGAL COUNSEL

MIT students, family, employers and start-ups seeking U.S. legal counsel, campus or office consultation. Call: James Dennis Leary, Esq. 321-544-0012

Solution to Bonus Crossword

from page 10

S	O	G	G	Y		T	A	L	C		T	S	K	S
A	R	T	I	E		E	R	O	O		A	R	E	A
C	R	O	S	S	I	N	G	T	H	E	P	O	N	D
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A	D	R	O	P	I	N	T	H	E	O	C	E	A	N
M	O	O	T		D	E	E	M		N	O	R	M	A
Y	A	M	S		S	O	R	E		E	L	E	C	T

Student Protest Cites Recent MIT Decisions

Protest, from Page 1

hacking incidents, and administrative decisions about MIT housing as evidence of this claim.

On the site, they ask that, “Any meeting affecting students must have publicly accessible notes, whether a student is present or not,” and that, “MIT must host monthly town hall meetings with senior administrators open to the entire student body,”

among other requests.

A Task Force on Student Engagement was established in spring 2008 to address concerns about the administrative support for students and student involvement in decisions affecting their lives at MIT. The group met for the first time in May and is comprised of four graduate students, four undergraduate students, five administrators, and two faculty members.

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Nightline

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3-8800

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Thinking about Graduate School in Public Policy or Political Science?



Come to an information session

Tuesday, October 21
5:00 - 6:00 pm
E53-482
(Fourth floor of the Dewey Library Building)

Find out:

- Is graduate school the right choice for you?
- What is the best way to get into graduate school?
- What programs and schools should you apply to?
- Should you take time off or go right to graduate school?
- What can you do with a graduate degree in Political Science or Public Policy?

Free pizza and soda!

Please contact Tobie Weiner (iguanatw@mit.edu, 253-3649) with questions.

The Federal Agency Career Fair

Wednesday, Oct. 22nd, 1-5pm

Walker Memorial
Bldg. 50

Morss Hall
Rm. 140



Employer Resume Book
Deadline: October 20th
CAREERBRIDGE

Rays Stifle Boston Comeback, In Position to Win First Title

Playoffs, from Page 24

to one.

In that series, the Phillies dominated the Dodgers in every aspect. Their starters, led by series MVP Cole Hamels (who pitched brilliantly Games 1 and 4, allowing only three runs in 14 total innings), continued to stifle opposing batters. Meanwhile, Philadelphia’s offense came to life and pounded the Dodgers’ pitching — for example, Chad Billingsley failed to make it past the third inning in either of his starts.

The Dodgers played sloppily in the field as well, making a total of six errors — three by Rafael Furcal in one inning — on defense. The one bright spot in the Los Angeles lineup was Manny Ramirez, who continued to put up video-game numbers; the one-man juggernaut went 8-for-15 with seven runs driven in, accounting for almost half of L.A.’s total offense.

Tempers flared in the series between the two teams, beginning when the Dodgers’ Ramirez and Russell Martin were knocked down by pitches. A minor controversy resulted when Chad Billingsley refused to retaliate (which didn’t make up for his two poor outings with his teammates) and Hideki Kuroda nearly decapitated Shane Victorino the next day.

Now, the Phillies will try to win their second World Series — their lone title came in 1980 — and end their city’s 25-year pro sports title drought. The road to the championship, however, goes through ... Tampa Bay?

Tampa Bay Rays: The (once again, non-Devil) Rays’ magical season continues. They earned its first AL East title in franchise history with a 97-65 record in the regular season, finishing on top of both the Red Sox and Yankees, who failed to even make the playoffs. In the Divisional Series, the Rays defeated the White Sox three games to one; in the AL Championship Series, they knocked off their division rivals and defending world champions, the Boston Red Sox in seven games.

The ALCS was easily the most exciting and dramatic series so far this postseason. In the first game, the Rays looked every bit like a young and inexperienced team,

and mustered only four hits off of Daisuke Matsuzaka. In the next three games, however, the Tampa Bay offense came to life, scoring a total of 31 runs while hitting 10 home runs (including three in a slugfest Game 2, which saw a playoff-record seven total homers by both teams combined), and embarrassing two Boston aces — Josh Beckett and Jon Lester — in the process.

In Game 5, however, the Red Sox displayed their determination and experience. On the brink of elimination, and facing a three-games-to-one deficit in the ALCS once again, Boston trailed 7-0 with only seven outs left, but rallied to score eight runs in the final three innings to complete one of the greatest comebacks in playoff history and keep their pennant hopes alive.

Their momentum carried over into the next game, where they beat Tampa Bay 4-2 to force a deciding Game 7. The Rays, however, stepped up to the challenge and Matt Garza, the series’ MVP, pitched brilliantly to earn them their first-ever pennant. (And they even received a visit from Barack Obama.)

Not bad for a team who were 300:1 odds to win the World Series in Spring Training, but the Rays will surely be looking for more.

The World Series — Philadelphia Phillies vs. Tampa Bay Rays: This year’s World Series features two historical losers.

Tampa Bay has been the doormat of baseball since their inception in 1998, finishing in last place nine out of the ten seasons before this year and owned the worst record in the majors in 2007. Philadelphia, meanwhile, is the losingest franchise in pro sports history and the only team — from any sport — with over 10,000 losses and counting.

Neither team has many players in its lineup with prior World Series experience, although Rays manager Joe Maddon won a ring as a coach with the 2002 Angels.

Both teams feature dynamic offenses coupled with strong pitching staffs. For the Phillies, their trio of Jimmy Rollins, Chase Utley, and Ryan Howard have finally appeared to find their grooves in the series against the Dodgers, while their starting rotation, led by the NLCS

MVP Cole Hamels, continued their string of stifling performances.

For the Rays, their starters have also stepped up and delivered, and they have a Championship Series MVP starter of their own, Matt Garza. On offense, the Rays have found their power strokes against Boston, led by Evan Longoria — who homered in four straight ALCS games — and B.J. Upton, who has seven postseason home runs after hitting only nine in the entire regular season.

The two teams’ bullpens, however, contrast starkly. The Phillies, anchored by closer Brad Lidge — who was a perfect 46-for-46 in save opportunities this year — have not lost this year when leading after eight innings.

The Rays don’t have a single elite reliever, but manager Joe Maddon knows how to use his bullpen effectively by exploiting matchups, and rookie David Price showed that he can get big outs in key situations, as evidenced by his win in Game 2 and save in Game 7 against the Red Sox.

Another difference between the two teams is the amount of rest they received after their League Championship Series. Tampa Bay wrapped up its seven-game series with Boston on Sunday night, so only have had one day to recuperate. Philadelphia, on the other hand, defeated the Dodgers in five games, and has had a full week to rest. This allows them to set up their starting rotation for the World Series, but it also means the Phillies’ hitters are rusty after not having seen live pitching for an entire week.

One other potentially decisive factor in the series is home-field advantage, which belongs to Tampa Bay (since the American League won the All-Star Game this year). Ironically enough, the winner of the All-Star game was Scott Kazmir of the Rays, who outpitched the Phillies’ Brad Lidge, the loser.

Tropicana Field, with its artificial turf, catwalks, and cowbell-banging fans, has been a haven all season long for the Rays (who have the best home record in baseball). With this advantage, combined with their momentum and ability, there is no reason why the Rays can’t complete their Cinderella season and go all the way.

Prediction: Rays in 6.

Boston Blazers Set to Begin Play Against League in January 2009

Lacrosse, from Page 24

teen players for a game from a roster of twenty-three, and six players, including the goalie, are allowed on the field at one time.

Unlike in outdoor lacrosse, the playing area is much smaller and the ball rebounds instead of travelling

out of bounds, making for a much faster game. Also, indoor lacrosse tends to be more physical than outdoor lacrosse. This physicality combined with the speed and skill demanded of the players makes for an intense, crowd-pleasing game.

After a very successful expansion draft, the Boston Blazers look

forward to a strong opening season in the NLL. Offensive standout Dan Dawson, acquired from the Portland Lumberjacks, finished last season with 47 goals and 60 assists and is looking to put up similar numbers with the Blazers.

Defenseman Mitch Belisle, formerly of the New York Titans, was 2007 NCAA Final Four Semi-Finalist and should make an impact on defense for the Blazers. Boston is also lucky to have a very promising young goaltender on the roster in Mike Poulin (traded to NY).

Plus, All-Star defender John Gallant will help anchor Boston’s defense. Overall, the combination of youth and athleticism on this team should prove difficult for opposing teams.

The Blazers are looking forward to their first NLL game as a team on Saturday, Jan. 10, 2009, against their East Division rival New York Titans. The following week, January 17th, the Blazers will play their home opener against New York at 7:30 PM in the TD Banknorth Garden.

Information about the team, tickets, statistics, rosters, and schedules can be found at www.blazerslacrosse.com.

SCOREBOARD

Men’s Heavyweight Crew	
Sunday, Oct. 19, 2008	
Head of the Charles Regatta	
MIT	16th of 37 championship eight

Men’s Lightweight Crew	
Sunday, Oct. 19, 2008	
Head of the Charles Regatta	
MIT	18th of 43 club four, 16th of 21 varsity eight

Women’s Openweight Crew	
Sunday, Oct. 19, 2008	
Head of the Charles Regatta	
MIT	25th of 45 club eight, 31st of 38 championship eight

Women’s Lightweight Crew	
Sunday, Oct. 19, 2008	
Head of the Charles Regatta	
MIT	12th of 15 four, 10th of 15 championship eight

Men’s Cross Country	
Saturday, Oct. 18, 2008	
Plansky Invitational	
MIT	1st of 9

Women’s Cross Country	
Saturday, Oct. 18, 2008	
Plansky Invitational	
MIT	1st of 8

Field Hockey	
Saturday, Oct. 18, 2008	
Smith College (5-7)	2
MIT (5-9)	1

Football	
Saturday, Oct. 18, 2008	
Western New England College (1-6)	15
MIT (4-3)	48

Sailing	
Saturday-Sunday, Oct. 18-19, 2008	
Captain Hurst Bowl	
MIT	7th of 20
Sunday, Oct. 19, 2008	
Boston University Invitational	
MIT	2nd of 17

Men’s Soccer	
Saturday, Oct. 18, 2008	
U.S. Coast Guard Academy (7-6-1)	1
MIT (13-1-1)	2

Women’s Soccer	
Saturday, Oct. 18, 2008	
MIT (4-7-2)	0
Smith College (2-11-1)	0

Women’s Volleyball	
Saturday, Oct. 18, 2008	
Western New England College (11-14)	0
MIT (13-10)	3
Saint Mary’s College (15-9)	1
MIT (14-10)	3
Millikin University (17-9)	3
MIT (14-11)	2

Men’s Water Polo	
Friday, Oct. 17, 2008	
Connecticut College (0-6)	3
MIT (5-9)	16
Saturday, Oct. 18, 2008	
Queens College (8-7)	6
MIT (6-9)	14
Sunday, Oct. 19, 2008	
Saint Francis College (12-5)	14
MIT (6-10)	7

Cross Country, from Page 24

(NEWMAC) championships in two weeks at Franklin Park.

Five Tech runners finished in the top 11 to push MIT past The College of New Jersey (TCNJ) by 14 points. Jake J. Ruzevick ’09 continued to show improvement after missing a few races earlier in the season, pacing the Engineers and finishing third overall with a time of 26:32. Paul D. Welle ’11 crossed the finish line directly behind him, just a second slower. Jeremiah “Yermie” R. Cohen ’09 was the third straight MIT runner to finish, eight seconds behind Welle. For the first time this season, Hemagiri Arumugam ’10 (26:52) was not the fastest Tech runner, as his eighth place finish was good for fourth on the team. Trevor B. Rundell ’09 rounded out the scoring, placing 11th with a time of 27:01.

Christopher Guerriero of TCNJ was the top overall finisher with a time of 25:25. The Engineers and Lions accounted for seven of the top nine runners.

MIT returns to action in two weeks, on Saturday, Nov. 1 when they host the NEWMAC championships at Franklin Park. The men’s race begins at 11:00 a.m.

—Greg McKeever, DAPER Staff

MIT Crew Teams Compete in Head of the Charles



CHELSEA GRIMM—THE TECH



CHELSEA GRIMM—THE TECH



PETER H. RIGANO—THE TECH

(counter-clockwise from above)
(Front to back) Emily C Shao '11 (coxswain), Nicholas B. Murlo '10, Ryan A. Flynn '10, Ryan M. Daspit '09, Aaron M. Blankstein '10, Richard A. Suarez '11, Keith T. Loebner '11, Samuel B. Paul '11, and Russell J. Ryan '09 row MIT's Men's Varsity Lightweight Eight towards the Eliot Bridge. The Engineers finished 16th out of 21 with a time of 15:48.5.

The Varsity Men's Heavyweight Rowing team clashes oars with the University of Washington's rowers after passing under Weeks Footbridge. Stephen F. Young '09 coxed the men, (right to left) stroke Luke S. Urban '09, Rane Nolan '09, Thomas A. Larsen '09, Steven A. Wesel '12, Christopher M. Jones '12, Alessandro Chiesa '09, David Janicek '09, and Lucas Goodman '10. Their boat finished 16 out of 37 with an official time of 15:13:958.

The Varsity Women's Openweight Rowing team races past Radcliffe's Weld Boathouse, halfway through the regatta. The boat finished 31 out of 38 entries, with a time of 17:50:703. (right to left) Celena Chan '12 coxed the rowers, including stroke Tess Saxton-Fox '12, Leslie Sprague '09, Catherine Crowley '12, Megan O'Donnell '12, Jane Wolcott '09, Ariana Chehrazi '12, Genevieve Russo '09, and Inessa Liskovich '09.

Oarsmen (Left to right) Jameson W. Nash '11, Johannes A. Schneider '10, Adam Bockelie '11, and Timothy J. Villabona '09, led by coxswain Diana T. Wu '11, power MIT's Men's Varsity Lightweight Four past the Weeks footbridge. They finished 10th out of 14 with a time of 18:03.215.

PETER H. RIGANO—THE TECH



SPORTS

National Lacrosse League to Expand In Boston

By Michael Gerhardt

Starting in January of 2009, the city of Boston will once again host a professional indoor lacrosse team, the Boston Blazers, after eleven years without a professional indoor program.

The Blazers will be coached by Tom Ryan, a member of the 2001 championship-winning Philadelphia Wings, and Randy Fraser, who played on Boston's previous indoor lacrosse team until its dissolution in 1997. The team will play its home games on Saturday nights from January to April in the TD Banknorth Garden, with tickets running from \$12-\$62 per game.

Taking advantage of the recent popularity of lacrosse, the National Lacrosse League and its outdoor counterpart, Major League Lacrosse, have begun expanding. The National Lacrosse League awarded the city of Boston an expansion team after the 2007 season, but due to a conflict between the NLL and the Professional Lacrosse Player's Association, the 2008 NLL season was almost cancelled, and the Boston team decided not to join the NLL until 2009.

This year, the National Lacrosse League will consist of thirteen teams separated into two divisions, and each team will play sixteen games, plus up to three possible playoff games. Each game in the NLL consists of four fifteen-minute quarters. Each team is allowed to dress eigh-

Lacrosse, Page 22



Michael R. Smith-Bronstein '09 lobbs a ball through a line of three Queens College's defenders in the Engineers' 14-6 victory on Saturday, Oct. 18.



Alexandra T. May '10 reaches for a block against Western New England College on Saturday, Oct. 18. MIT claimed first place in the Quad Tournament with victories over Western New England and Saint Mary's Colleges.

Women's Volleyball Claims First Place in Quad Tournament

For the fourth year in a row the MIT women's volleyball team captured the MIT Quad Tournament title.

MIT started tournament play by defeating Western New England College in straight sets (25-11, 25-13, 25-17) and went on to defeat Saint Mary's College (25-21, 19-25, 25-17, 25-20). In their final game, the Engineers fell to Millikin University (25-21, 26-24, 19-25, 12-25, 20-18).

With MIT, Millikin, and Saint Mary's each compiling a 2-1 tournament ledger, games won-lost among the tied teams determined the final rankings. The Engineers came out on top with a 5-4 mark, followed by Millikin (5-5), and Saint Mary's (4-5). WNEC rounded out the field with a fourth-place finish.

MIT's Alexandra T. May '10 was named the tournament MVP, and Katrina M. Ellison '10 earned a place on the all-tournament team.

—Mindy Brauer, DAPER Staff

Phillies, Rays Win, Advance To World Series

By David Zhu
STAFF COLUMNIST

After 163 games and two rounds of playoffs, the participants in this year's World Series have finally been determined. The Tampa Bay Rays, the winners of the American League (AL) pennant, will host the National League (NL) champion Philadelphia Phillies when the 2008 Fall Classic begins on October 21st.

Let's recap how each team earned their berth in the World Series, and take a look at the match-up:

Philadelphia Phillies: Philadelphia clinched the sixth pennant in their franchise history. With a 92-70 record during the regular season, they won the NL East thanks to a strong finish down the stretch (13-3 to close the regular season) and another New York Mets' September collapse.

In the best-of-five NL Divisional Series, the Phillies dispatched the Milwaukee Brewers in four games, behind dominant outings by their starting pitchers. In the NL Championship Series, they defeated the Los Angeles Dodgers four games

Playoffs, Page 22

UPCOMING HOME EVENTS

Tuesday, Oct. 21, 2008

Men's Soccer vs. Johnson & Wales University
4:00 p.m., Steinbrenner Stadium

Field Hockey vs. Wheaton College
6:00 p.m., Rockwell Cage

Men's Cross Country Captures Plansky Invitational



The nationally-ranked No. 23 MIT men's cross country team finished first out of nine teams at Saturday's Plansky Invitational hosted by Williams College. The meet served as the Engineers' final tune-up before the New England Women's and Men's Athletic Conference

Cross Country, Page 22

Men's Soccer Holds Off Coast Guard, 2-1



Despite a furious charge by the U.S. Coast Guard Academy during the final three minutes of regulation, the MIT men's soccer team held on for a 2-1 victory in a New England Women's and Men's Athletic Conference (NEW-MAC) contest on Saturday.



Christian W. Therkelsen '11 takes control of the soccer ball from the U.S. Coast Guard Academy. MIT triumphed 2-1 for their first victory over the Academy since 2004.

The early stages of the game were a defensive battle as numerous scoring opportunities were turned away on both sides. MIT eventually broke through in the 31st minute courtesy on a free kick. Kevin L. Chou's '11 service from the near side was barely punched out by Coast Guard goalie Tim Olah but the ball caromed off David M. Nole's '09 head and into the upper right corner of the net.

MIT wasted little time in the second half as it extended its lead to 2-0 after three minutes had elapsed. On a throw-in by Neil S. Zimmerman '09, the ball landed in front of the net and was surrounded by several players. Andrew M. Bishara '09 managed to redirect the ball for his first goal of the season.

The Bears nearly cut their deficit in half on a point-blank header by Thomas Cameron in the 58th minute that was smothered by MIT goalie Dylan S. Rankin '12. Coast Guard continued to attack and in the 79th minute, Nate Wojcik gathered a feed from Jacob Larsen on the near side and sent the ball to the far left corner.

The intensity from both sides increased down the stretch, and the Bears earned a pair of free kicks inside the final three minutes, but both opportunities were thwarted.

—Mindy Brauer, DAPER Staff



Nirupama Yechoor '11 aims for a pass past Smith College defenders on Saturday, Oct 18. A late goal pushed Smith College to a 2-1 victory during double overtime.